

PHILIPS

LCD TV chassis FL9.2

Service Manual

Contents

42"	42PFL3704D/F7	(Serial No. : DS1A*****)
42"	42PFL3704D/F7	(Serial No. : YA1A*****)
42"	42PFL3704D/F7	(Serial No. : YA2A*****)

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IMPORTANT SAFETY NOTICE

Proper service and repair is important to the safe, reliable operation of all P&F Equipment. The service procedures recommended by P&F and described in this service manual are effective methods of performing service operations. Some of these service special tools should be used when and as recommended.

It is important to note that this service manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It also is important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. P&F could not possibly know, evaluate and advice the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, P&F has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by P&F must first use all precautions thoroughly so that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

The LCD panel is manufactured to provide many years of useful life. Occasionally a few non active pixels may appear as a tiny spec of color. This is not to be considered a defect in the LCD screen.

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SPECIFICATIONS

< TUNER / NTSC >

ANT. Input ----- 75 Ω Unbal., F type

Description	Condition	Unit	Nominal	Limit
1. AFT Pull-In Range	---	MHz	± 2.3	± 2.1
2. Synchronizing Sens.	TV.ch.4	dB μ	18	20
	CA.ch.31	dB μ	18	20
	CA.ch.87	dB μ	18	23

< TUNER / ATSC >

Description	Condition	Unit	Nominal	Limit
1. Received Freq. Range (-28dBm)	---	kHz	---	± 100
2. ATSC Dynamic Range (min / max)	ch.4	dBm	---	-76/0
	ch.10	dBm	---	-76/0
	ch.41	dBm	---	-76/+4

< LCD PANEL >

Description	Condition	Unit	Nominal	Limit
1. Native Pixel Resolution	Horizontal	pixels	1366	---
	Vertical	pixels	768	---
2. Brightness (w / filter)	---	cd/m ²	320	---
3. Viewing Angle	Horizontal	°	-88 to 88	---
	Vertical	°	-88 to 88	---

< VIDEO >

Description	Condition	Unit	Nominal	Limit
1. Over Scan	Horizontal	%	5	5 $\pm$ 5
	Vertical	%	5	5 $\pm$ 5
2. Color Temperature	---	°K	12000	---
	x		0.272	$\pm 3\%$
	y		0.278	$\pm 3\%$
3. Resolution (composite video)	Horizontal	line	400	---
	Vertical	line	350	---

< AUDIO >

All items are measured across 8 Ω load at speaker output terminal with L.P.F.

Description	Condition	Unit	Nominal	Limit
1. Audio Output 10% Distortion (ATSC 0 dBfs)	Lch/Rch	W	10.0/10.0	8.0/8.0
2. Audio Distortion (NTSC)	500mW: Lch/Rch	%	0.5/0.5	2.0/2.0
3. Audio Freq. Response (NTSC)	-6dB: Lch	Hz	70 to 10 k	---
	-6dB: Rch	Hz	70 to 10 k	---

IMPORTANT SAFETY PRECAUTIONS

Prior to shipment from the factory, our products are strictly inspected for recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

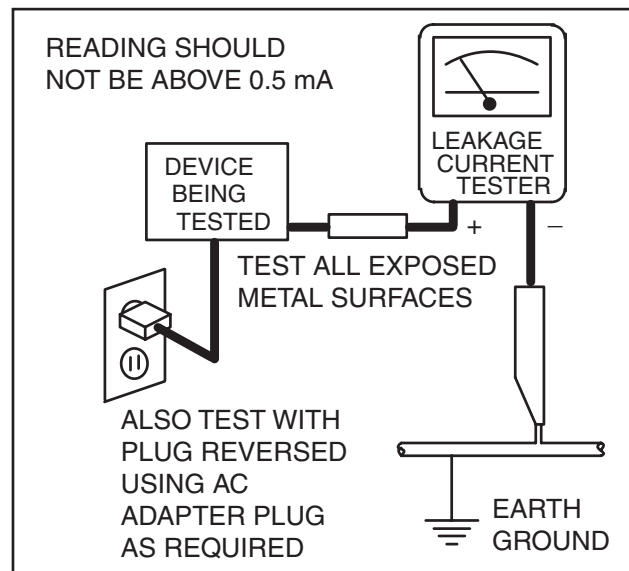
Safety Precautions for LCD TV Circuit

1. **Before returning an instrument to the customer**, always make a safety check of the entire instrument, including, but not limited to, the following items:

- a. Be sure that no built-in protective devices are defective and have been defeated during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. **Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damage.**
- b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, (1) spacing between the Liquid Crystal Panel and the cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.

- c. **Antenna Cold Check** - With the instrument AC plug removed from any AC source, connect an electrical jumper across the two AC plug prongs. Place the instrument AC switch in the on position. Connect one lead of an ohmmeter to the AC plug prongs tied together and touch the other ohmmeter lead in turn to each tuner antenna input exposed terminal screw and, if applicable, to the coaxial connector. If the measured resistance is less than 1.0 megohm or greater than 5.2 megohm, an abnormality exists that must be corrected before the instrument is returned to the customer. Repeat this test with the instrument AC switch in the off position.

- d. **Leakage Current Hot Check** - With the instrument completely reassembled, plug the AC line cord directly into a 120 V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument AC switch first in the on position and then in the off position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milli-ampere. Reverse the instrument power cord plug in the outlet and repeat the test.



ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR BEFORE CONNECTING THE ANTENNA OR ACCESSORIES.

2. Read and comply with all caution and safety-related notes on or inside the receiver cabinet, on the receiver chassis, or on the Liquid Crystal Panel.

3. **Design Alteration Warning** - Do not alter or add to the mechanical or electrical design of this TV receiver. Design alterations and additions, including, but not limited to circuit modifications and the addition of items such as auxiliary audio and/or video output connections, might alter the safety characteristics of this receiver and create a hazard to the user. Any design alterations or additions will void the manufacturer's warranty and may make you, the servicer, responsible for personal injury or property damage resulting therefrom.
4. **Hot Chassis Warning** -
 - a. Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord and maybe safety-serviced without an isolation transformer only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC power source. To confirm that the AC power plug is inserted correctly, with an AC voltmeter, measure between the chassis and a known earth ground. If a voltage reading in excess of 1.0 V is obtained, remove and reinsert the AC power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground.
 - b. Some TV receiver chassis normally have 85V AC(RMS) between chassis and earth ground regardless of the AC plug polarity. This chassis can be safety-serviced only with an isolation transformer inserted in the power line between the receiver and the AC power source, for both personnel and test equipment protection.
 - c. Some TV receiver chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulation material that must not be defeated or altered.
5. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: a. near sharp edges, b. near thermally hot parts-be sure that leads and components do not touch thermally hot parts, c. the AC supply, d. high voltage, and, e. antenna wiring. Always inspect in all areas for pinched, out of place, or frayed wiring. Check AC power cord for damage.
6. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.
7. **Product Safety Notice** - Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by a  on schematics and in parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire, and/or other hazards. The product's safety is under review continuously and new instructions are issued whenever appropriate. Prior to shipment from the factory, our products are strictly inspected to confirm they comply with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Precautions during Servicing

- A.** Parts identified by the **▲** symbol are critical for safety.
Replace only with part number specified.
- B.** In addition to safety, other parts and assemblies are specified for conformance with regulations applying to spurious radiation. These must also be replaced only with specified replacements.
Examples: RF converters, RF cables, noise blocking capacitors, and noise blocking filters, etc.
- C.** Use specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
- D.** Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
 - 2) PVC tubing
 - 3) Spacers
 - 4) Insulators for transistors.
- E.** When replacing AC primary side components (transformers, power cord, etc.), wrap ends of wires securely about the terminals before soldering.
- F.** Observe that the wires do not contact heat producing parts (heat sinks, oxide metal film resistors, fusible resistors, etc.)
- G.** Check that replaced wires do not contact sharp edged or pointed parts.
- H.** When a power cord has been replaced, check that 5~6 kg of force in any direction will not loosen it.
- I.** Also check areas surrounding repaired locations.
- J.** Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.
- K.** When connecting or disconnecting the internal connectors, first, disconnect the AC plug from the AC supply outlet.
- L.** When installing parts or assembling the cabinet parts, be sure to use the proper screws and tighten certainly.

Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Clearance Distance

When replacing primary circuit components, confirm specified clearance distance (d) and (d') between soldered terminals, and between terminals and surrounding metallic parts. (See Fig. 1)

Table 1: Ratings for selected area

AC Line Voltage	Region	Clearance Distance (d), (d')
110 to 130 V	U.S.A. or Canada	≥ 3.2 mm (0.126 inches)

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

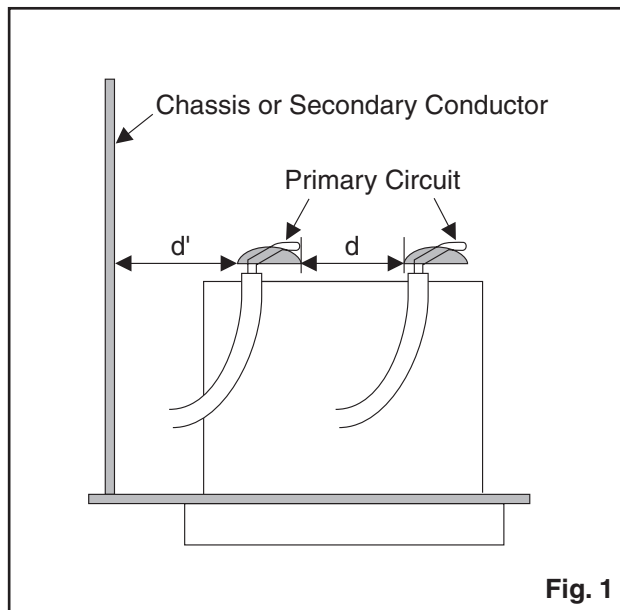


Fig. 1

2. Leakage Current Test

Confirm the specified (or lower) leakage current between B (earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.) is lower than or equal to the specified value in the table below.

Measuring Method: (Power ON)

Insert load Z between B (earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See Fig. 2 and following table.

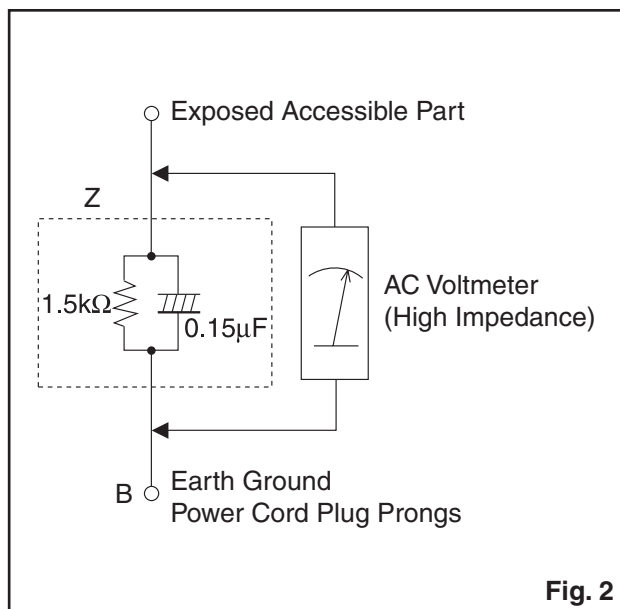


Fig. 2

Table 2: Leakage current ratings for selected areas

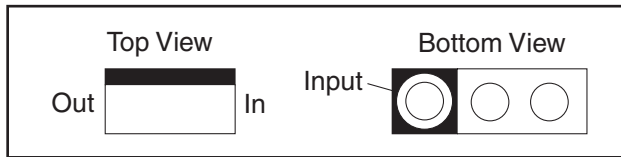
AC Line Voltage	Region	Load Z	Leakage Current (i)	Earth Ground (B) to:
110 to 130 V	U.S.A. or Canada	0.15 μ F CAP. & 1.5 kΩ RES. Connected in parallel	$i \leq 0.5$ mA rms	Exposed accessible parts

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

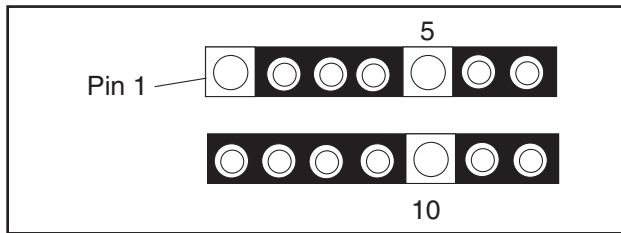
STANDARD NOTES FOR SERVICING

Circuit Board Indications

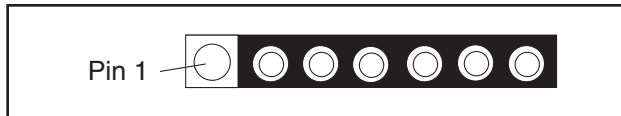
1. The output pin of the 3 pin Regulator ICs is indicated as shown.



2. For other ICs, pin 1 and every fifth pin are indicated as shown.

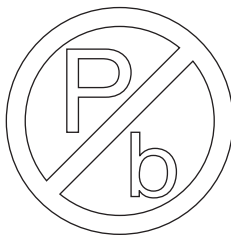


3. The 1st pin of every male connector is indicated as shown.



Pb (Lead) Free Solder

Pb free mark will be found on PCBs which use Pb free solder. (Refer to figure.) For PCBs with Pb free mark, be sure to use Pb free solder. For PCBs without Pb free mark, use standard solder.



Pb free mark

How to Remove / Install Flat Pack-IC

1. Removal

With Hot-Air Flat Pack-IC Desoldering Machine:

1. Prepare the hot-air flat pack-IC desoldering machine, then apply hot air to the Flat Pack-IC (about 5 to 6 seconds). (Fig. S-1-1)

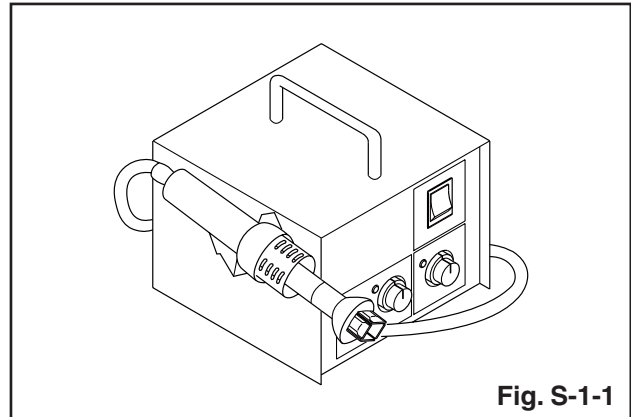


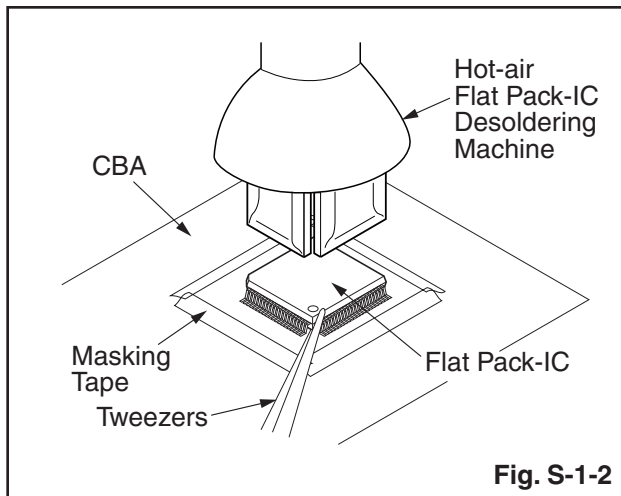
Fig. S-1-1

2. Remove the flat pack-IC with tweezers while applying the hot air.
3. Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)
4. Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

CAUTION:

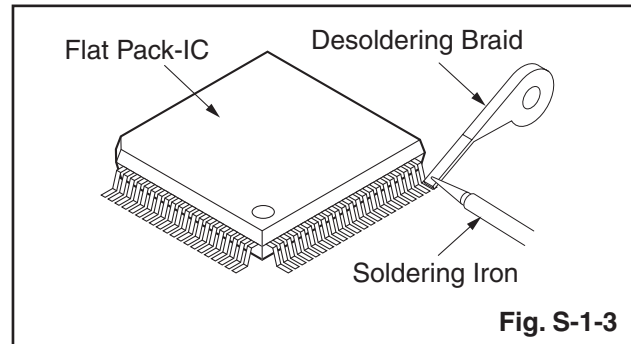
1. The Flat Pack-IC shape may differ by models. Use an appropriate hot-air flat pack-IC desoldering machine, whose shape matches that of the Flat Pack-IC.
2. Do not supply hot air to the chip parts around the flat pack-IC for over 6 seconds because damage to the chip parts may occur. Put masking tape around the flat pack-IC to protect other parts from damage. (Fig. S-1-2)

3. The flat pack-IC on the CBA is affixed with glue, so be careful not to break or damage the foil of each pin or the solder lands under the IC when removing it.

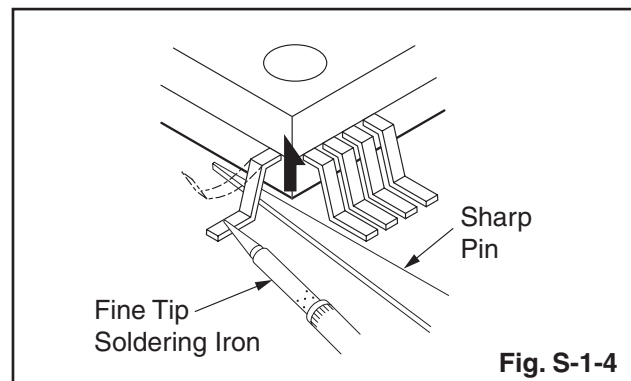


With Soldering Iron:

1. Using desoldering braid, remove the solder from all pins of the flat pack-IC. When you use solder flux which is applied to all pins of the flat pack-IC, you can remove it easily. (Fig. S-1-3)



2. Lift each lead of the flat pack-IC upward one by one, using a sharp pin or wire to which solder will not adhere (iron wire). When heating the pins, use a fine tip soldering iron or a hot air desoldering machine. (Fig. S-1-4)

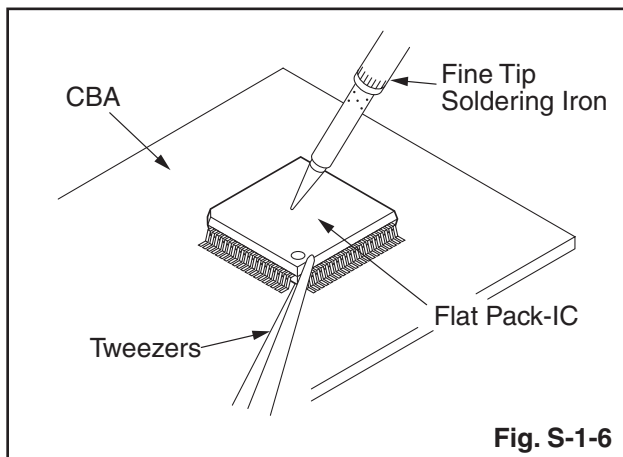
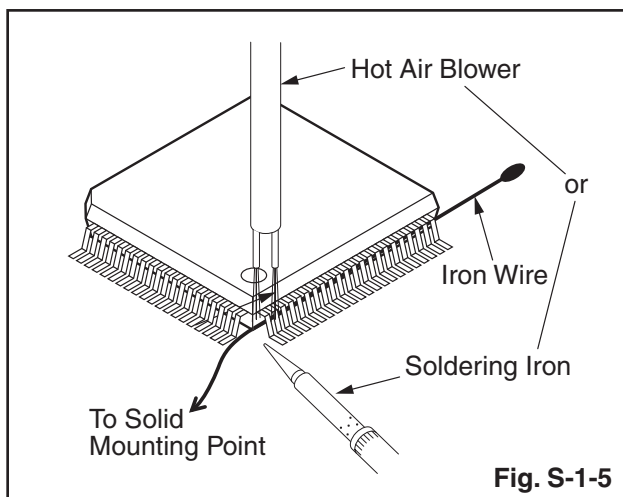


3. Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)
4. Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

With Iron Wire:

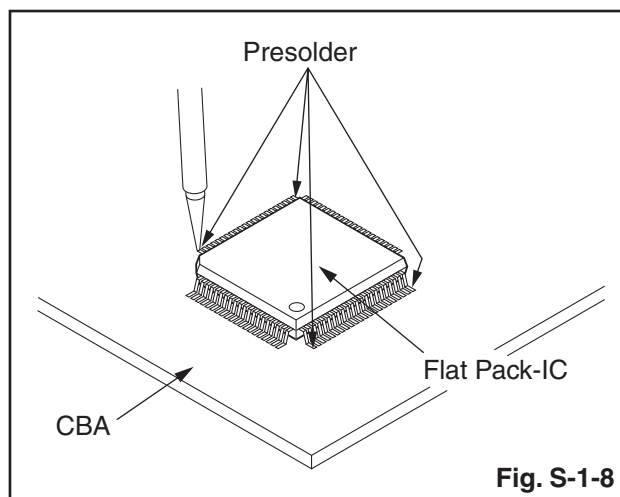
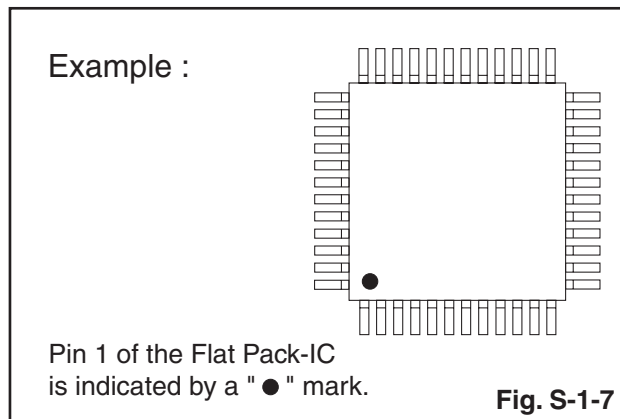
1. Using desoldering braid, remove the solder from all pins of the flat pack-IC. When you use solder flux which is applied to all pins of the flat pack-IC, you can remove it easily. (Fig. S-1-3)
2. Affix the wire to a workbench or solid mounting point, as shown in Fig. S-1-5.
3. While heating the pins using a fine tip soldering iron or hot air blower, pull up the wire as the solder melts so as to lift the IC leads from the CBA contact pads as shown in Fig. S-1-5.
4. Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)
5. Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

Note: When using a soldering iron, care must be taken to ensure that the flat pack-IC is not being held by glue. When the flat pack-IC is removed from the CBA, handle it gently because it may be damaged if force is applied.



2. Installation

1. Using desoldering braid, remove the solder from the foil of each pin of the flat pack-IC on the CBA so you can install a replacement flat pack-IC more easily.
2. The "●" mark on the flat pack-IC indicates pin 1. (See Fig. S-1-7.) Be sure this mark matches the pin 1 on the PCB when positioning for installation. Then presolder the four corners of the flat pack-IC. (See Fig. S-1-8.)
3. Solder all pins of the flat pack-IC. Be sure that none of the pins have solder bridges.



Instructions for Handling Semi-conductors

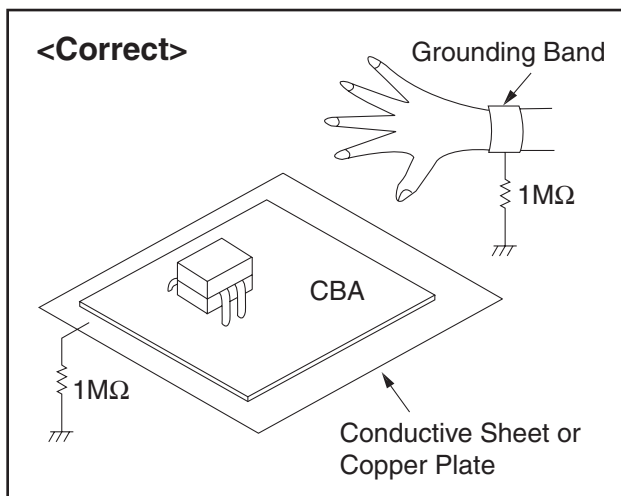
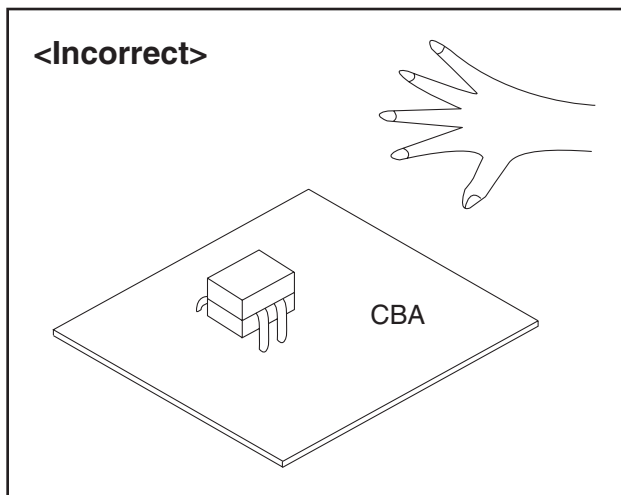
Electrostatic breakdown of the semi-conductors may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

1. Ground for Human Body

Be sure to wear a grounding band ($1\text{ M}\Omega$) that is properly grounded to remove any static electricity that may be charged on the body.

2. Ground for Workbench

Be sure to place a conductive sheet or copper plate with proper grounding ($1\text{ M}\Omega$) on the workbench or other surface, where the semi-conductors are to be placed. Because the static electricity charge on clothing will not escape through the body grounding band, be careful to avoid contacting semi-conductors with your clothing.

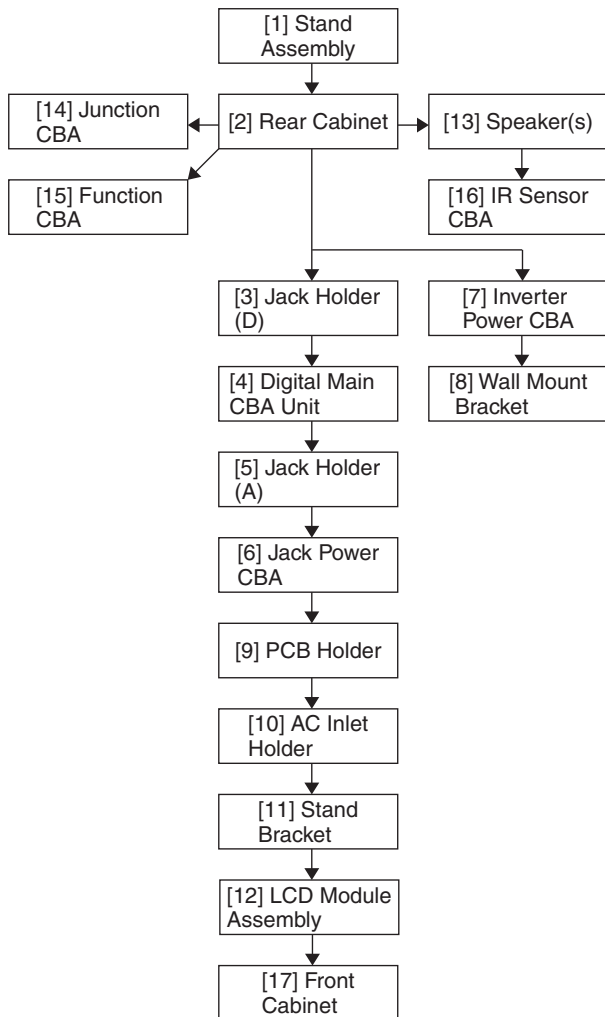


CABINET DISASSEMBLY INSTRUCTIONS

[42PFL3704D/F7(Serial No. : DS1A*****)]

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts, and the CBA in order to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route and dress the cables as they were.



2. Disassembly Method

Step/ Loc. No.	Part	Removal		
		Fig. No.	Remove/*Unhook/ Unlock/Release/ Unplug/Unclamp/ Desolder	Note
[1]	Stand Assembly	D1	4(S-1)	---
[2]	Rear Cabinet	D1	11(S-2), 4(S-3), 2(S-4), (S-5), (S-6)	---

Step/ Loc. No.	Part	Removal		
		Fig. No.	Remove/*Unhook/ Unlock/Release/ Unplug/Unclamp/ Desolder	Note
[3]	Jack Holder(D)	D2	(S-7)	---
[4]	Digital Main CBA Unit	D2 D5	6(S-8), 4(S-9), *CN201, *CN202, *CN3901, Shield Box	---
[5]	Jack Holder(A)	D2	(S-10)	---
[6]	Jack Power CBA	D2 D5	6(S-11), *CN203, *CN801, *CN802, *CN901, *CN1501	---
[7]	Inverter Power CBA	D2 D5	8(S-12), *CN1601, *CN1803, *CN1804	---
[8]	Wall Mount Bracket	D3	4(S-13)	---
[9]	PCB Holder	D3	4(S-14)	---
[10]	AC Inlet Holder	D3	2(S-15)	---
[11]	Stand Bracket	D3	2(S-16), 2(S-17), 4(S-18), 2(S-19)	---
[12]	LCD Module Assembly	D4	6(S-20)	---
[13]	Speaker(s)	D4	4(S-21), 8(S-22), Speaker Box(es)[F]	---
[14]	Junction CBA	D4	Desolder	---
[15]	Function CBA	D4	*WH301A	---
[16]	IR Sensor CBA	D4	-----	---
[17]	Front Cabinet	D4	-----	---

↓ ↓ ↓ ↓ ↓
 (1) (2) (3) (4) (5)

Note:

- (1) Order of steps in procedure. When reassembling, follow the steps in reverse order. These numbers are also used as the Identification (location) No. of parts in figures.
- (2) Parts to be removed or installed.

- (3) Fig. No. showing procedure of part location
- (4) Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.
- P = Spring, L = Locking Tab, S = Screw,
H = Hex Screw, CN = Connector

* = Unhook, Unlock, Release, Unplug, or Desolder
e.g. 2(S-2) = two Screws (S-2),
2(L-2) = two Locking Tabs (L-2)

- (5) Refer to the following "Reference Notes in the Table."

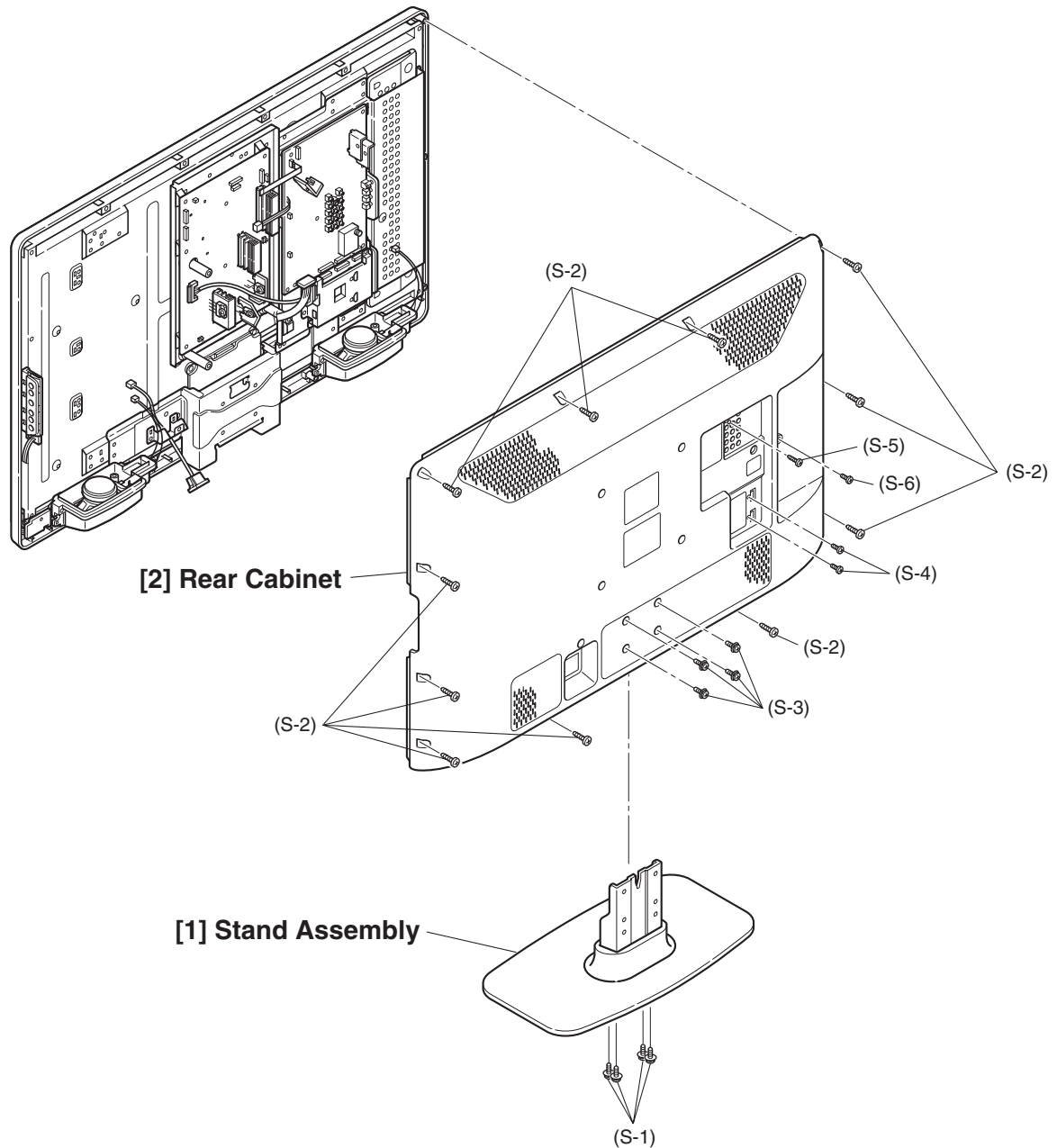


Fig. D1

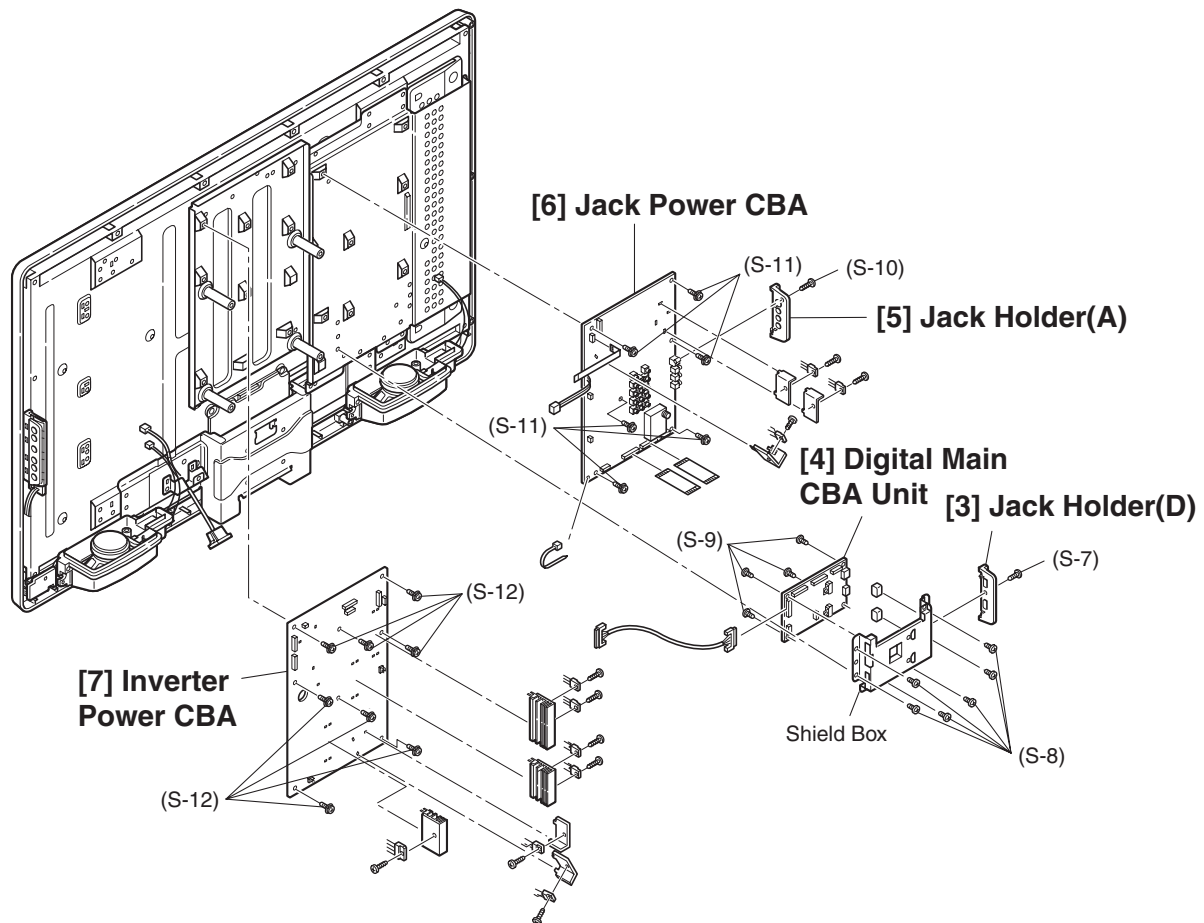


Fig. D2

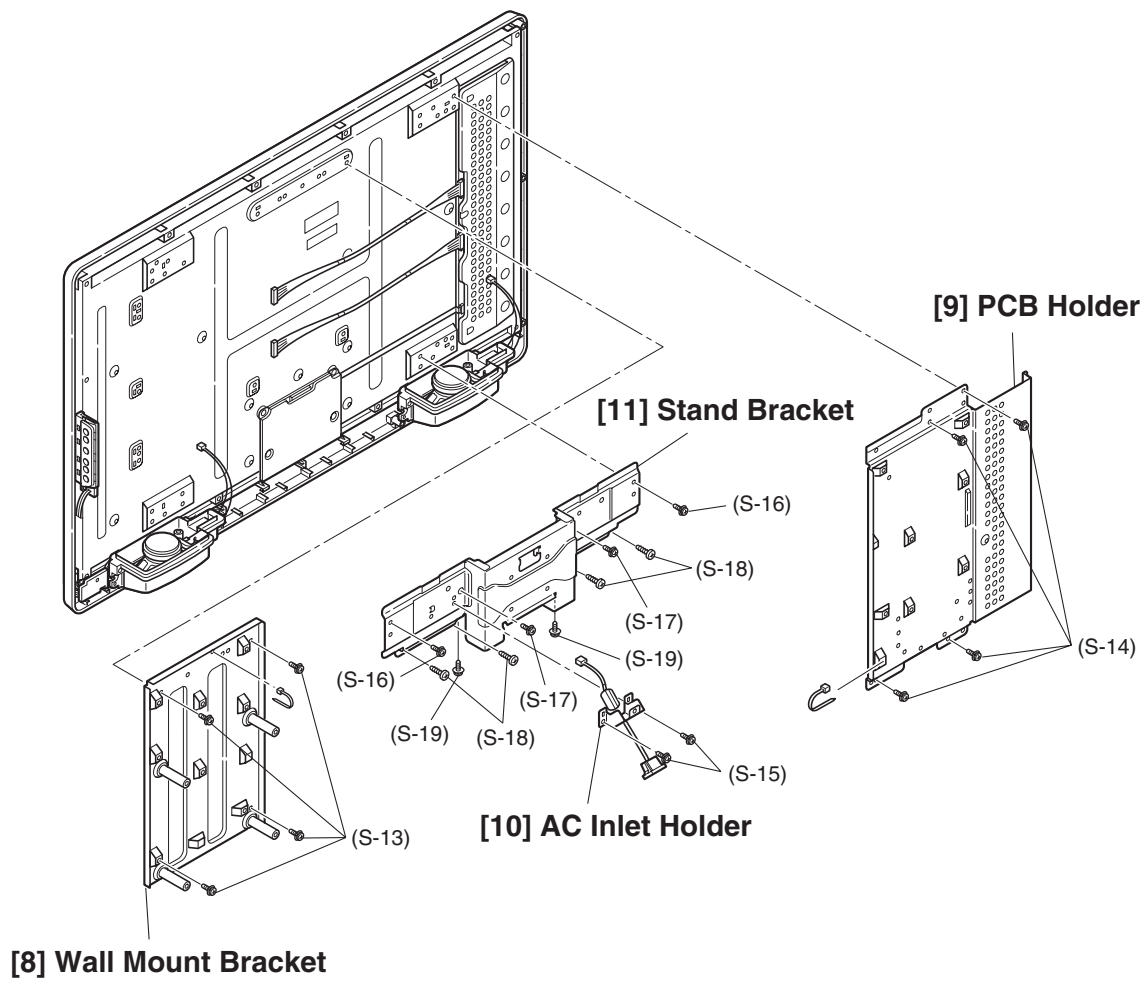


Fig. D3

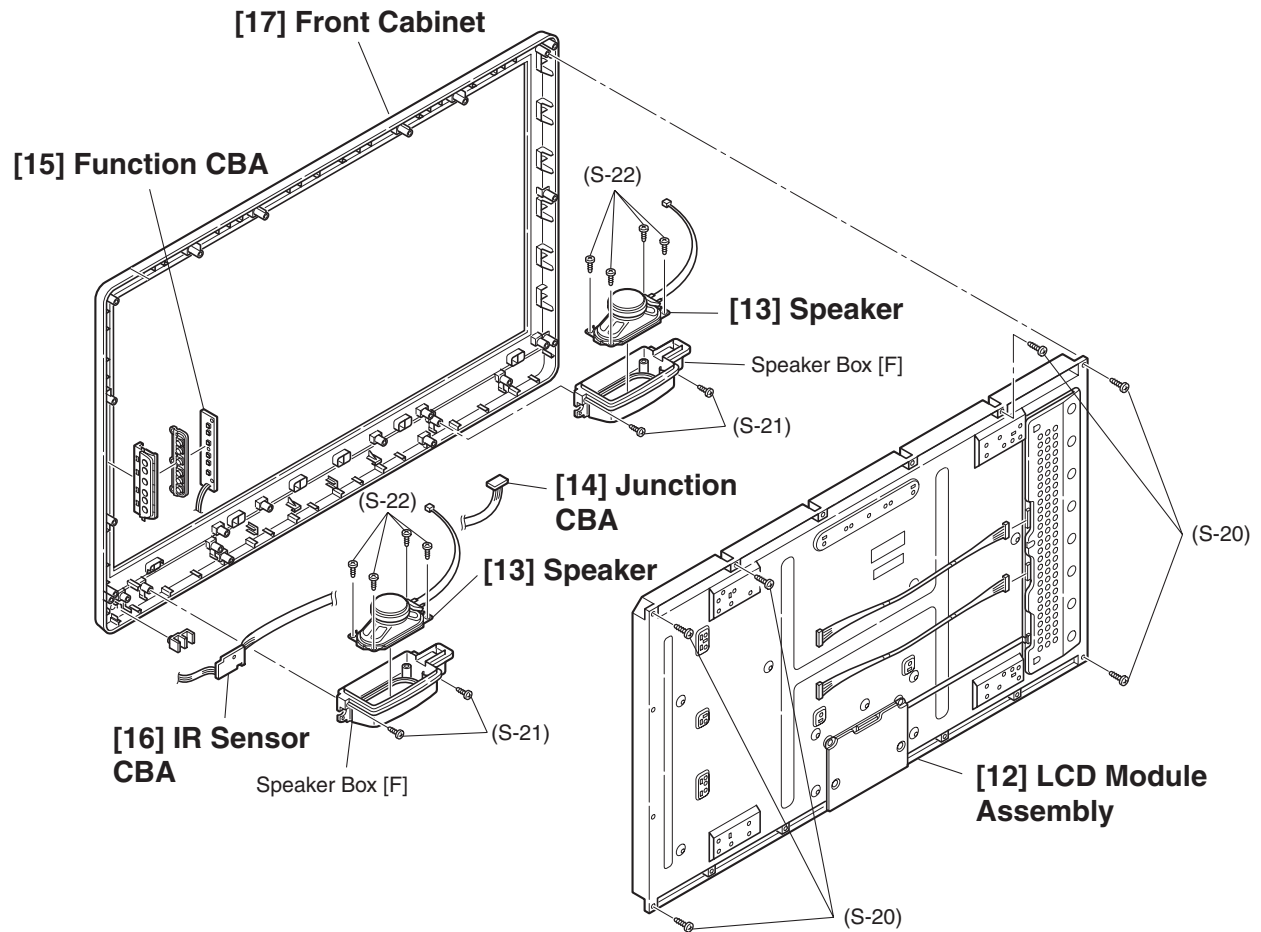


Fig. D4

TV Cable Wiring Diagram

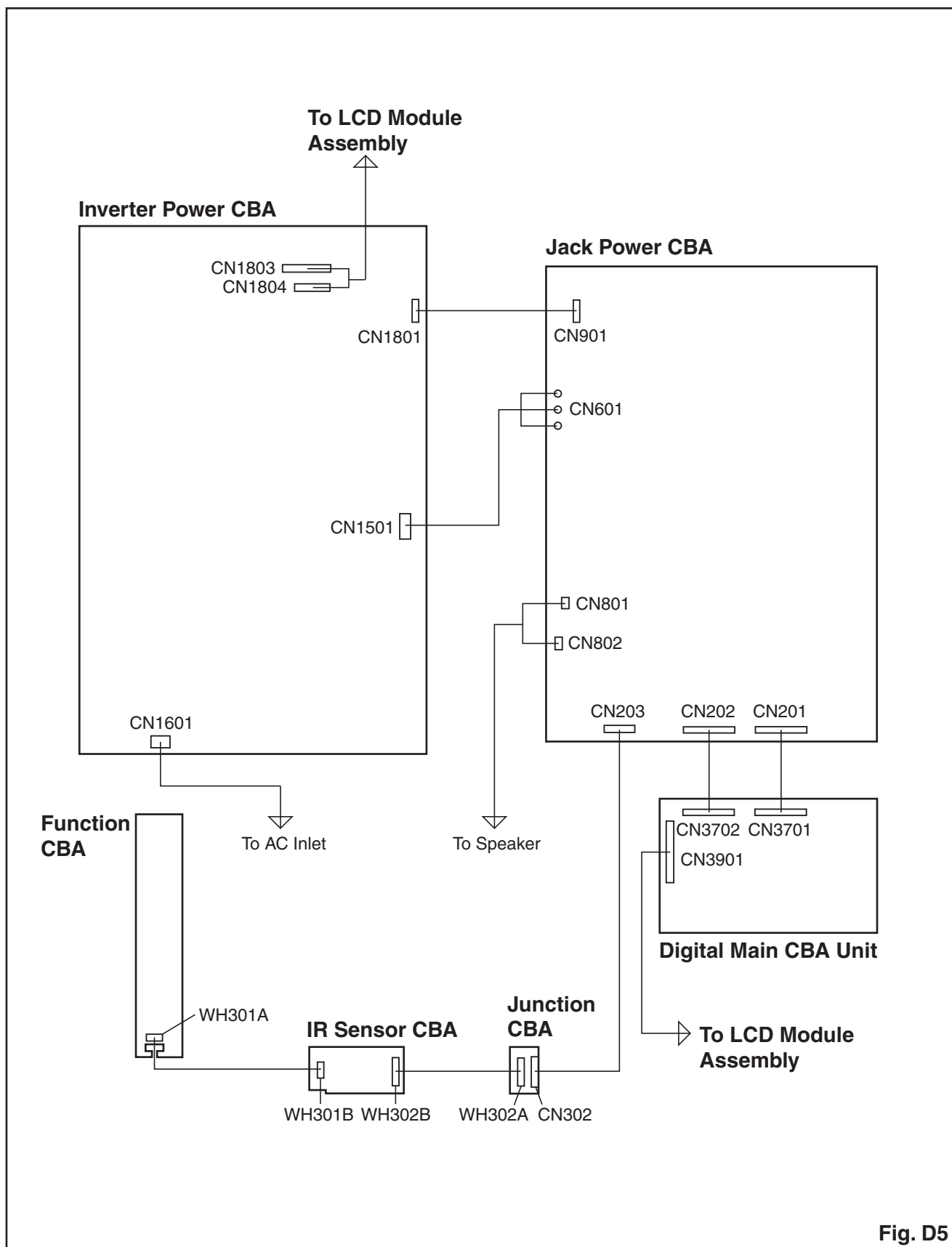


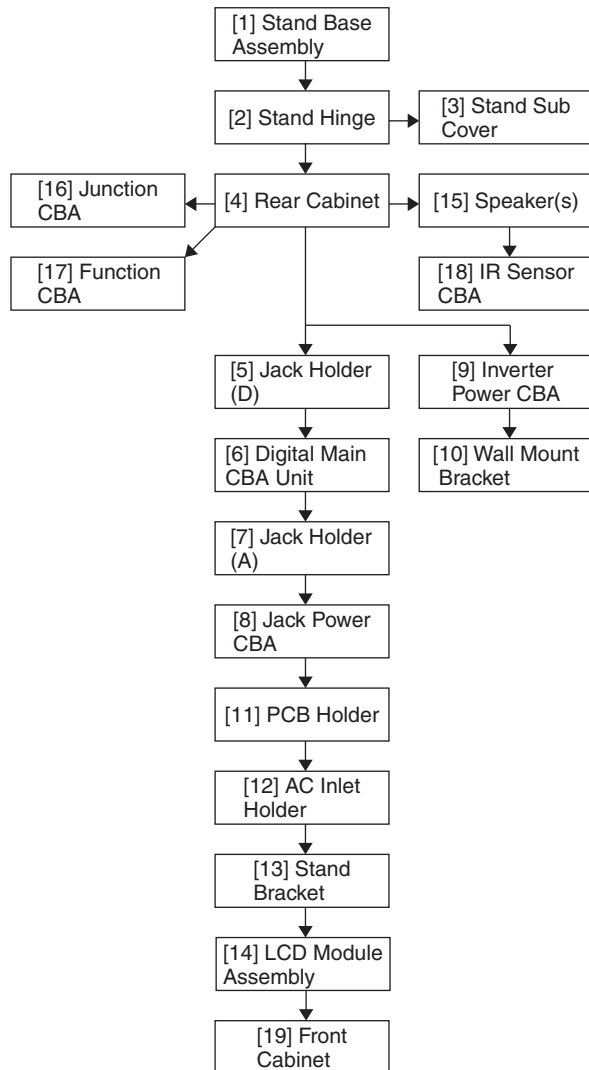
Fig. D5

CABINET DISASSEMBLY INSTRUCTIONS

[42PFL3704D/F7(Serial No. : YA1A*****)]

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts, and the CBA in order to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route and dress the cables as they were.



2. Disassembly Method

Step/ Loc. No.	Part	Removal		
		Fig. No.	Remove/*Unhook/ Unlock/Release/ Unplug/Unclamp/ Desolder	Note
[1]	Stand Base Assembly	D1	4(S-1)	---
[2]	Stand Hinge	D1	4(S-2), 2(S-3)	---

Step/ Loc. No.	Part	Removal		
		Fig. No.	Remove/*Unhook/ Unlock/Release/ Unplug/Unclamp/ Desolder	Note
[3]	Stand Sub Cover	D1	-----	---
[4]	Rear Cabinet	D1	11(S-4), 2(S-5), (S-6), (S-7)	---
[5]	Jack Holder(D)	D2	(S-8)	---
[6]	Digital Main CBA Unit	D2 D5	6(S-9), 4(S-10), *CN201, *CN202, *CN3901, Shield Box	---
[7]	Jack Holder(A)	D2	(S-11)	---
[8]	Jack Power CBA	D2 D5	6(S-12), *CN203, *CN801, *CN802, *CN901, *CN1501	---
[9]	Inverter Power CBA	D2 D5	8(S-13), *CN1601, *CN1803	---
[10]	Wall Mount Bracket	D3	4(S-14)	---
[11]	PCB Holder	D3	4(S-15)	---
[12]	AC Inlet Holder	D3	2(S-16)	---
[13]	Stand Bracket	D3	2(S-17), 2(S-18), 4(S-19)	---
[14]	LCD Module Assembly	D4	6(S-20)	---
[15]	Speaker(s)	D4	4(S-21), 8(S-22), Speaker Box(es)[F]	---
[16]	Junction CBA	D4	Desolder	---
[17]	Function CBA	D4	*WH301A	---
[18]	IR Sensor CBA	D4	(S-23)	---
[19]	Front Cabinet	D4	-----	---

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(1)

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(2)

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(3)

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(4)

↓
(5)

Note:

- (1) Order of steps in procedure. When reassembling, follow the steps in reverse order. These numbers are also used as the Identification (location) No. of parts in figures.
- (2) Parts to be removed or installed.
- (3) Fig. No. showing procedure of part location
- (4) Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or

desoldered.

P = Spring, L = Locking Tab, S = Screw,

H = Hex Screw, CN = Connector

* = Unhook, Unlock, Release, Unplug, or Desolder

e.g. 2(S-2) = two Screws (S-2),

2(L-2) = two Locking Tabs (L-2)

- (5) Refer to the following "Reference Notes in the Table."

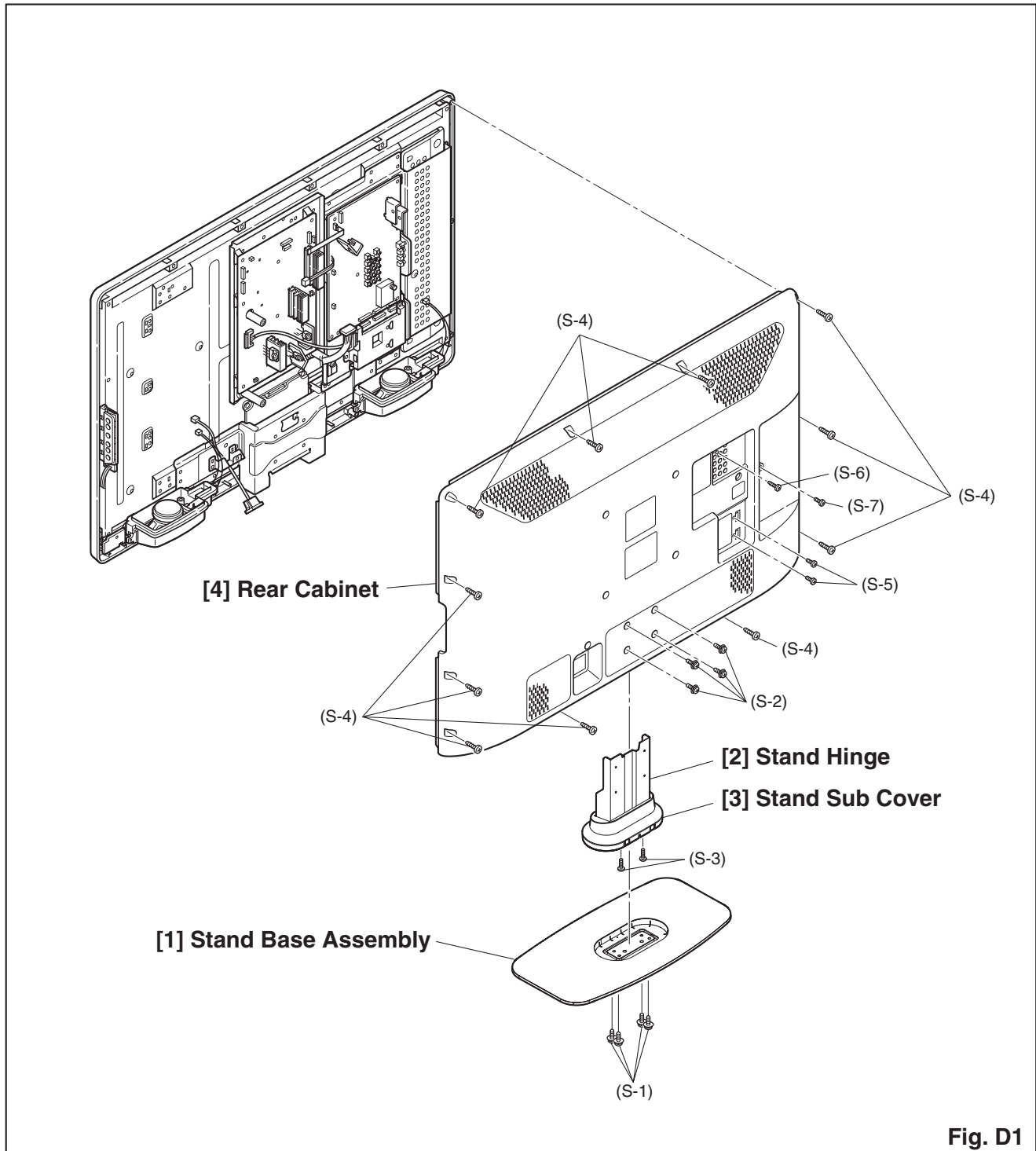


Fig. D1

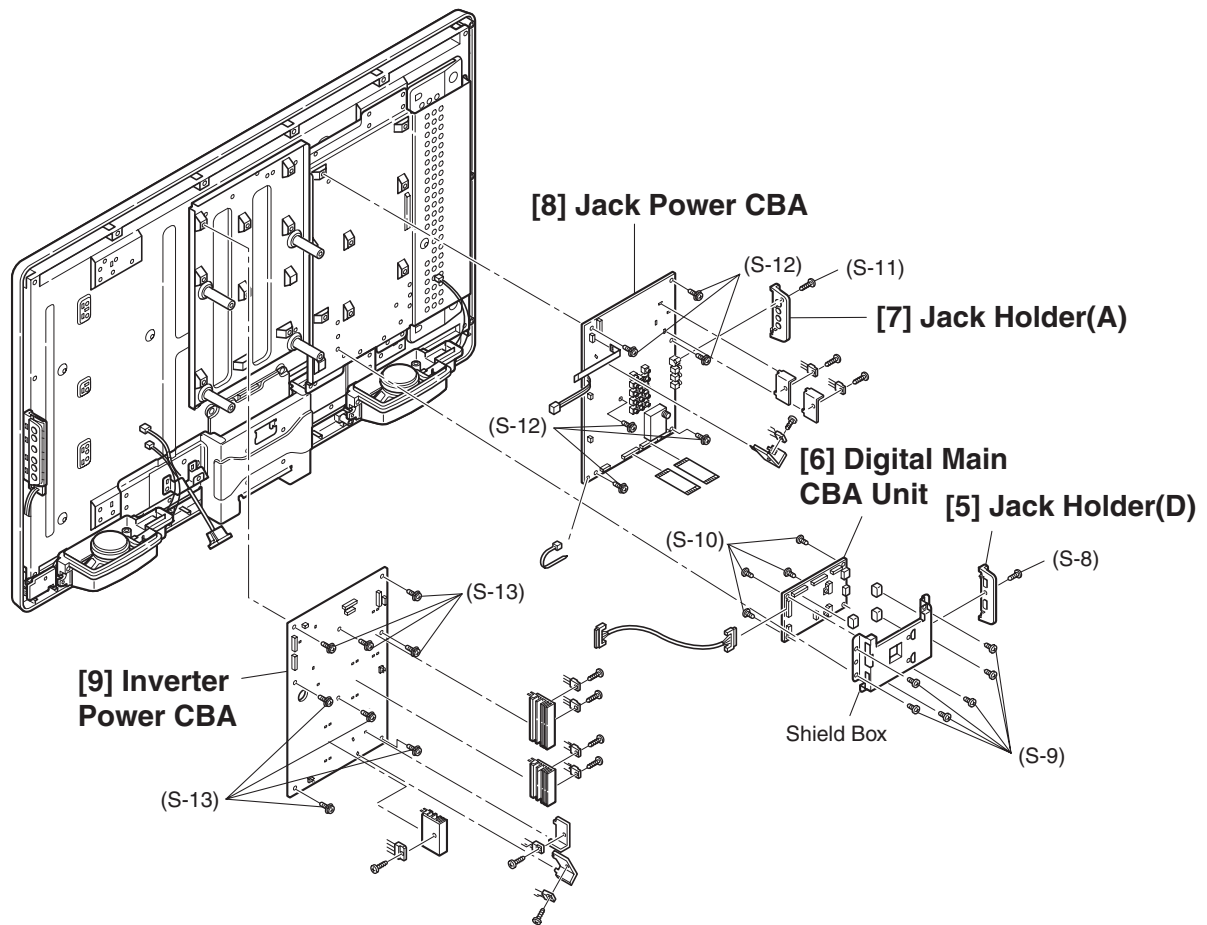


Fig. D2

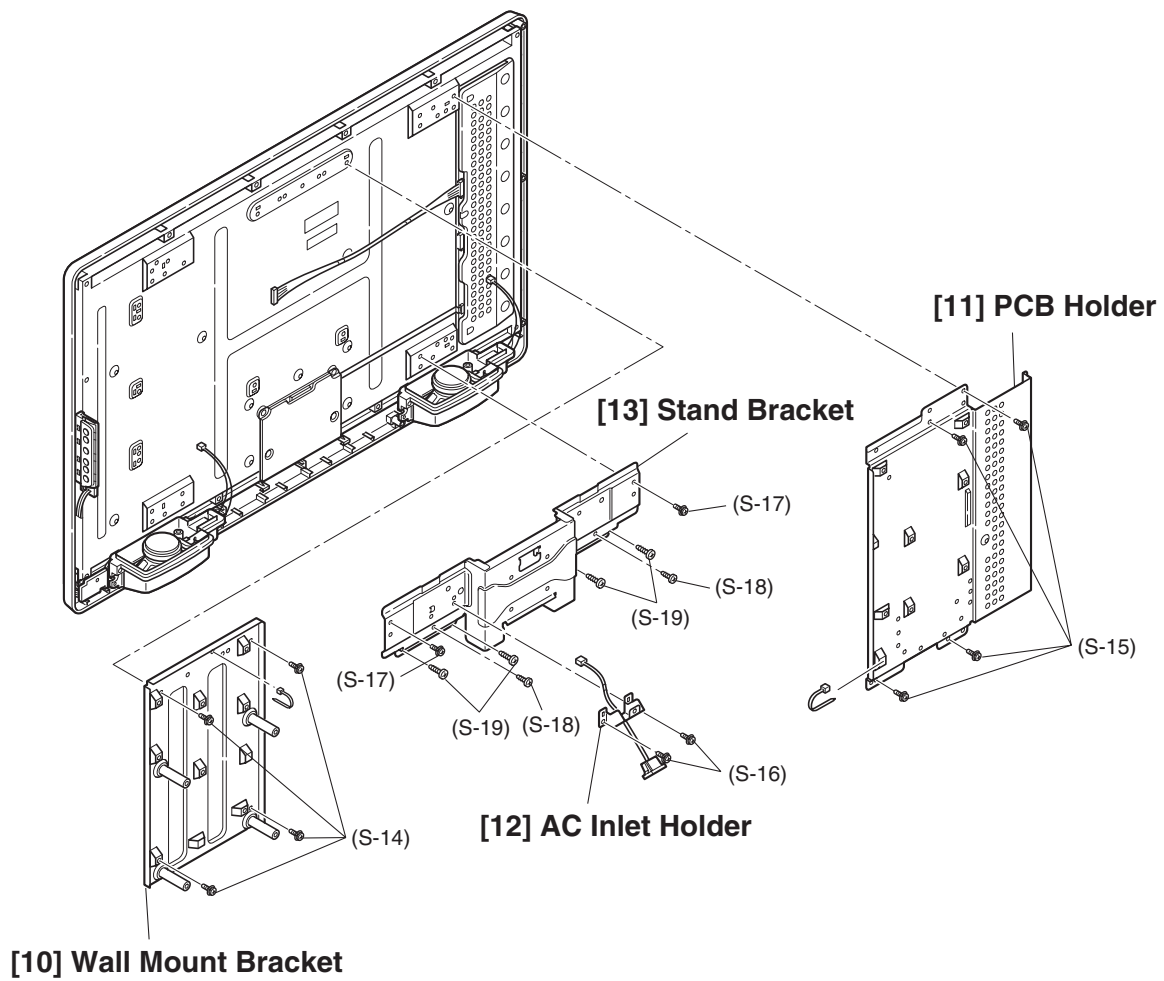


Fig. D3

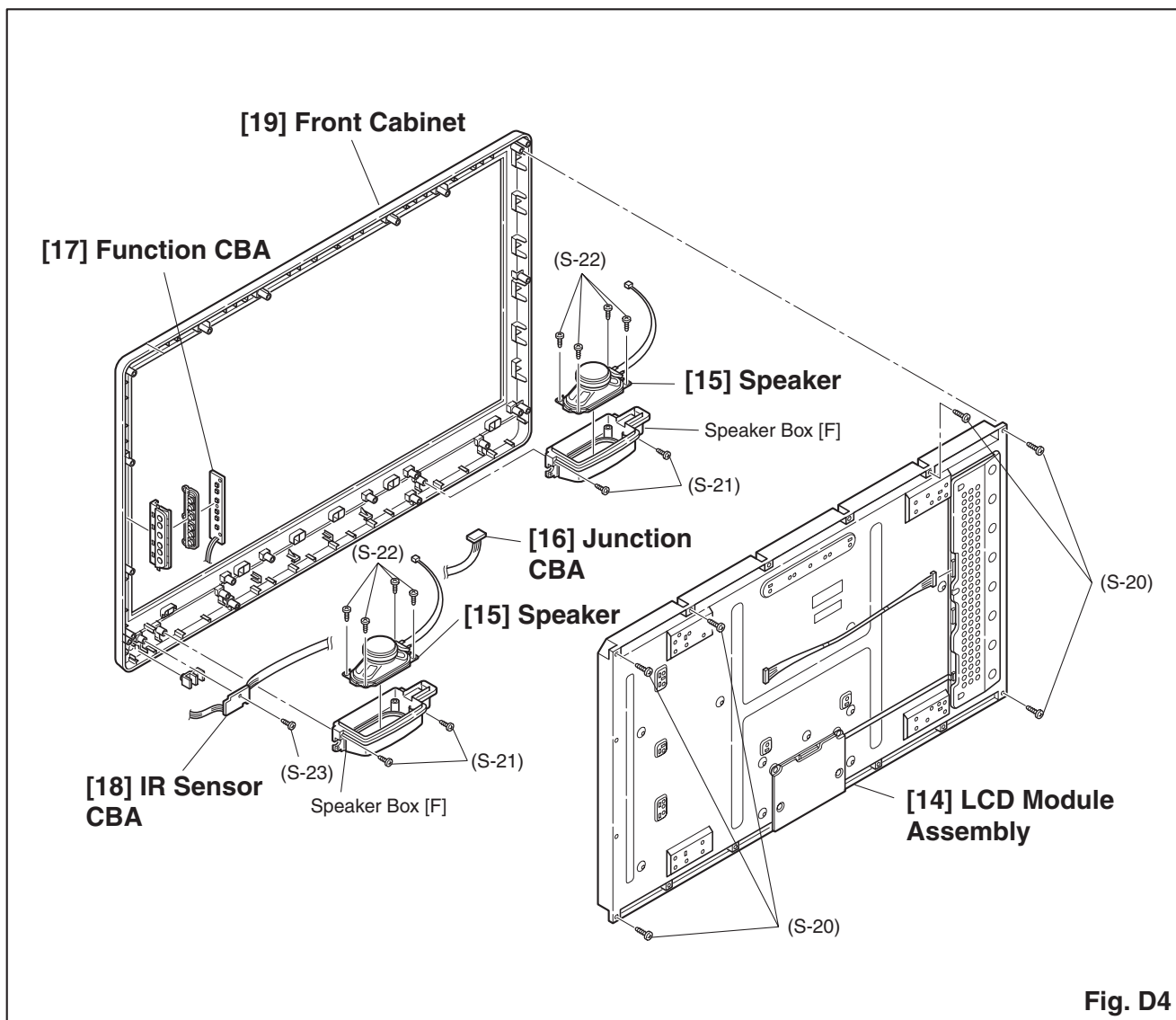


Fig. D4

TV Cable Wiring Diagram

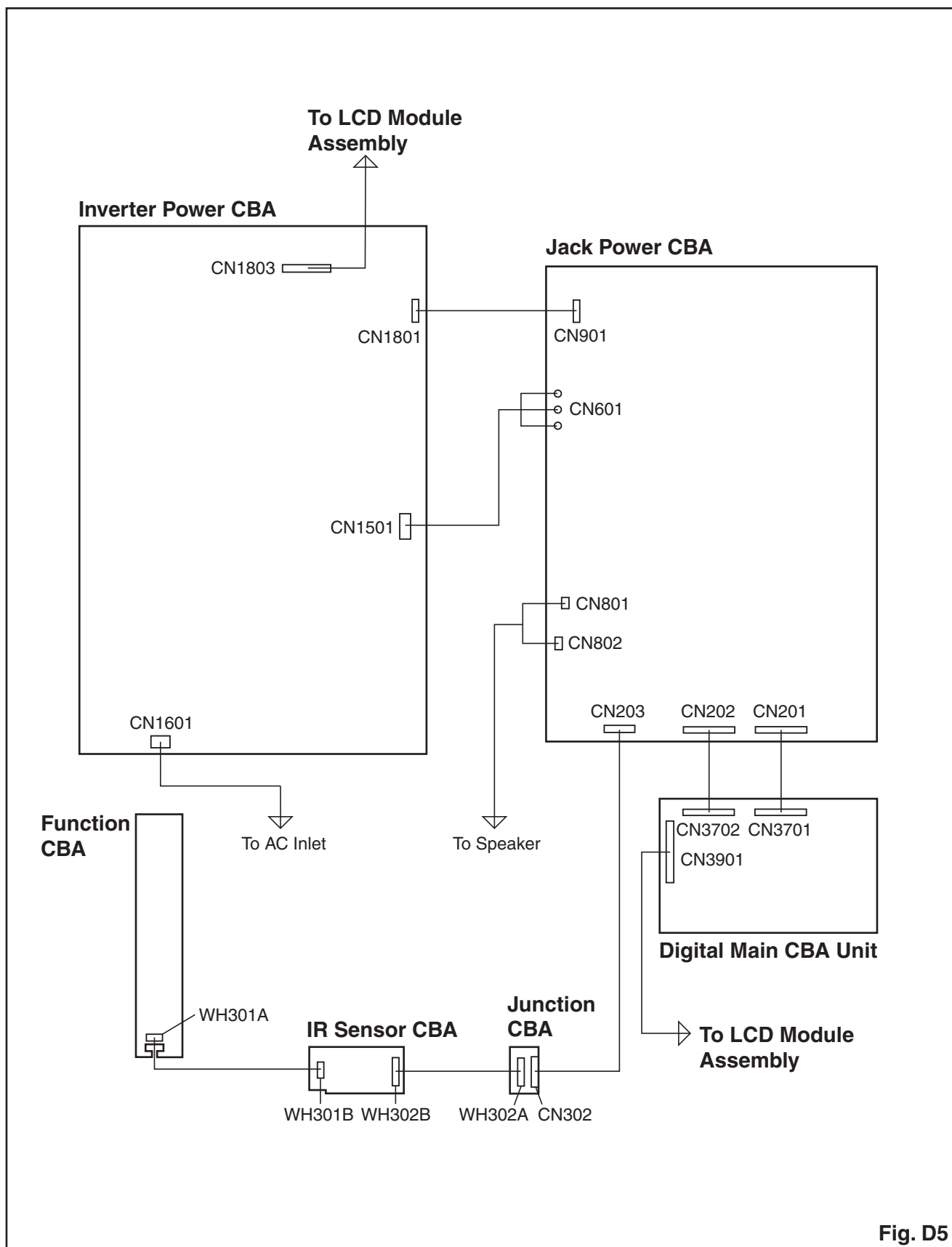


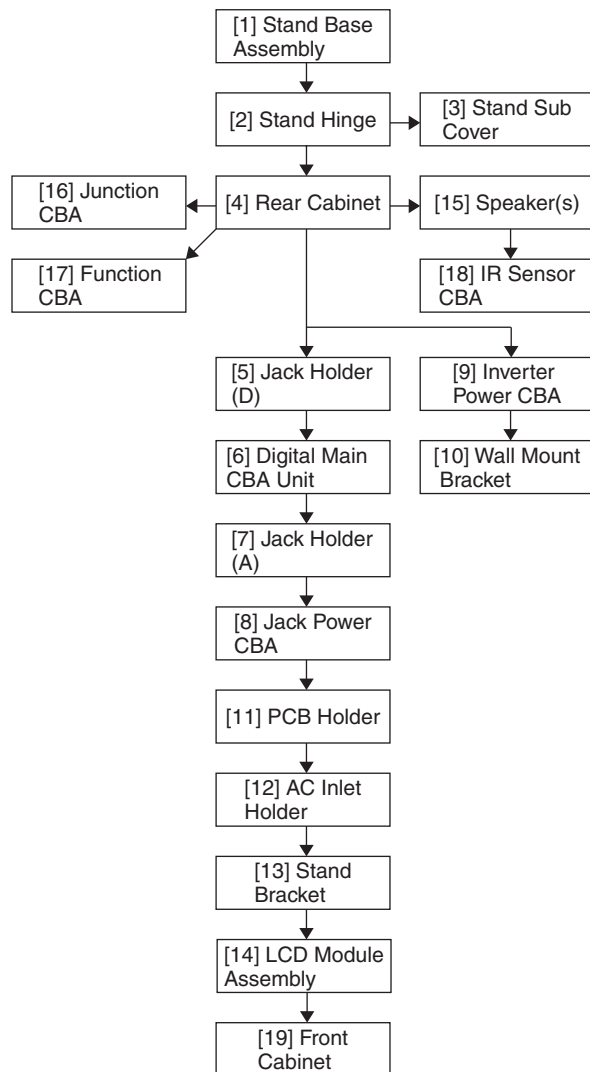
Fig. D5

CABINET DISASSEMBLY INSTRUCTIONS

[42PFL3704D/F7(Serial No. : YA2A*****)]

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts, and the CBA in order to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route and dress the cables as they were.



2. Disassembly Method

Step/ Loc. No.	Part	Removal		
		Fig. No.	Remove/*Unhook/ Unlock/Release/ Unplug/Unclamp/ Desolder	Note
[1]	Stand Base Assembly	D1	4(S-1)	---
[2]	Stand Hinge	D1	4(S-2), 2(S-3)	---

Step/ Loc. No.	Part	Removal		
		Fig. No.	Remove/*Unhook/ Unlock/Release/ Unplug/Unclamp/ Desolder	Note
[3]	Stand Sub Cover	D1	-----	---
[4]	Rear Cabinet	D1	11(S-4), 2(S-5), (S-6), (S-7)	---
[5]	Jack Holder(D)	D2	(S-8)	---
[6]	Digital Main CBA Unit	D2 D5	6(S-9), 4(S-10), *CN201, *CN202, *CN3901, Shield Box	---
[7]	Jack Holder(A)	D2	(S-11)	---
[8]	Jack Power CBA	D2 D5	6(S-12), *CN203, *CN801, *CN802, *CN901, *CN1501	---
[9]	Inverter Power CBA	D2 D5	8(S-13), *CN1601, *CN1803, *CN1804	---
[10]	Wall Mount Bracket	D3	4(S-14)	---
[11]	PCB Holder	D3	4(S-15)	---
[12]	AC Inlet Holder	D3	2(S-16)	---
[13]	Stand Bracket	D3	2(S-17), 2(S-18), 4(S-19)	---
[14]	LCD Module Assembly	D4	6(S-20)	---
[15]	Speaker(s)	D4	4(S-21), 8(S-22), Speaker Box(es)[F]	---
[16]	Junction CBA	D4	Desolder	---
[17]	Function CBA	D4	*WH301A	---
[18]	IR Sensor CBA	D4	(S-23)	---
[19]	Front Cabinet	D4	-----	---

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(1)

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(2)

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(3)

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(4)

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(5)

Note:

- (1) Order of steps in procedure. When reassembling, follow the steps in reverse order. These numbers are also used as the Identification (location) No. of parts in figures.
- (2) Parts to be removed or installed.
- (3) Fig. No. showing procedure of part location
- (4) Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or

desoldered.

P = Spring, L = Locking Tab, S = Screw,

H = Hex Screw, CN = Connector

* = Unhook, Unlock, Release, Unplug, or Desolder

e.g. 2(S-2) = two Screws (S-2),

2(L-2) = two Locking Tabs (L-2)

- (5) Refer to the following "Reference Notes in the Table."

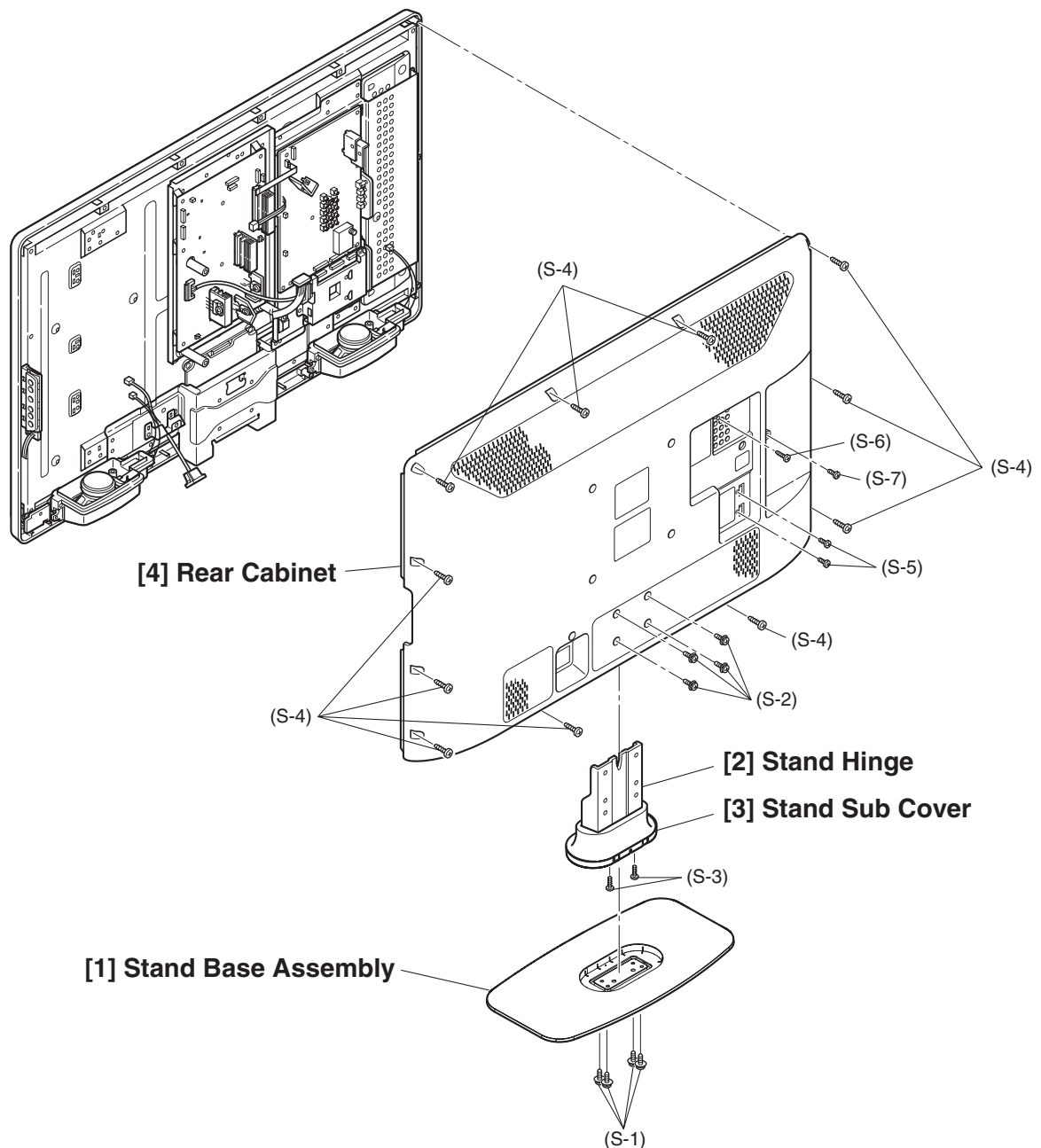


Fig. D1

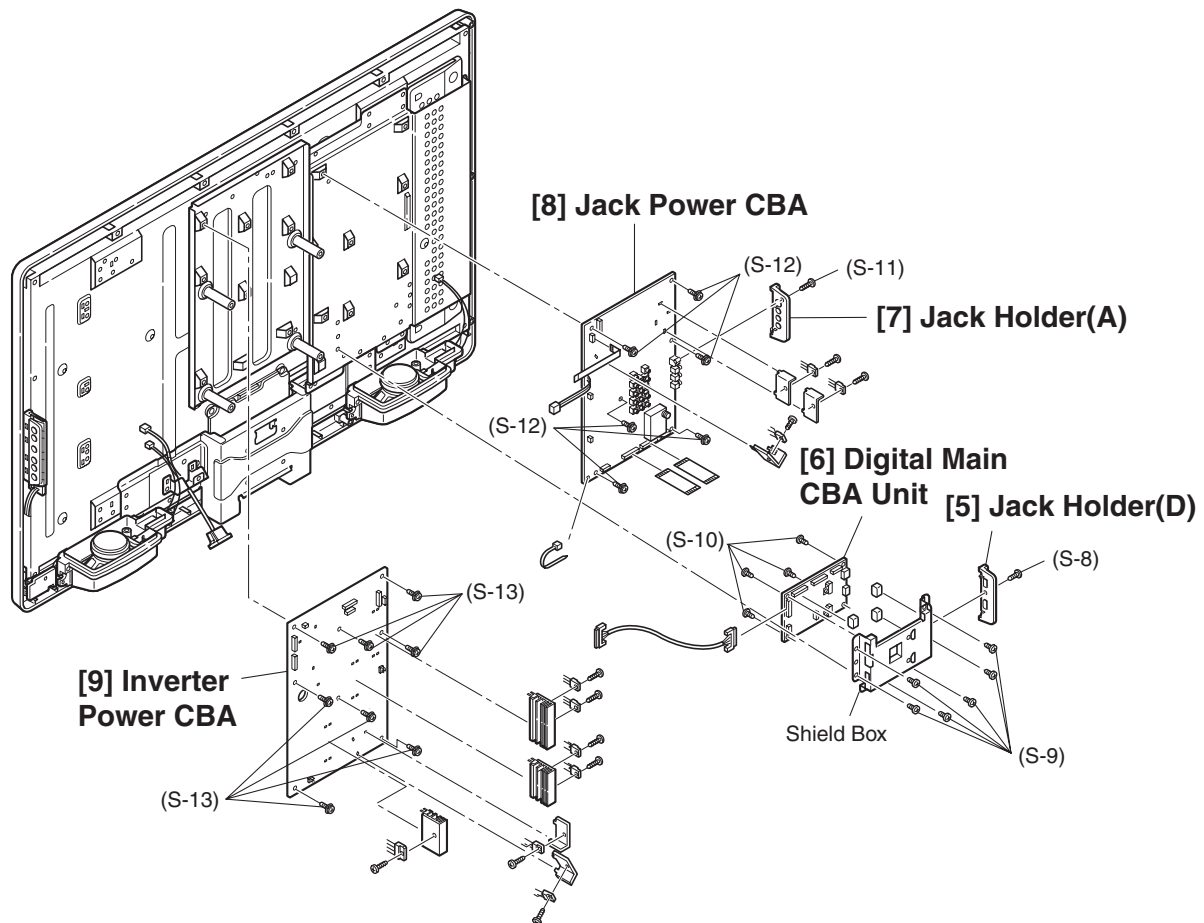


Fig. D2

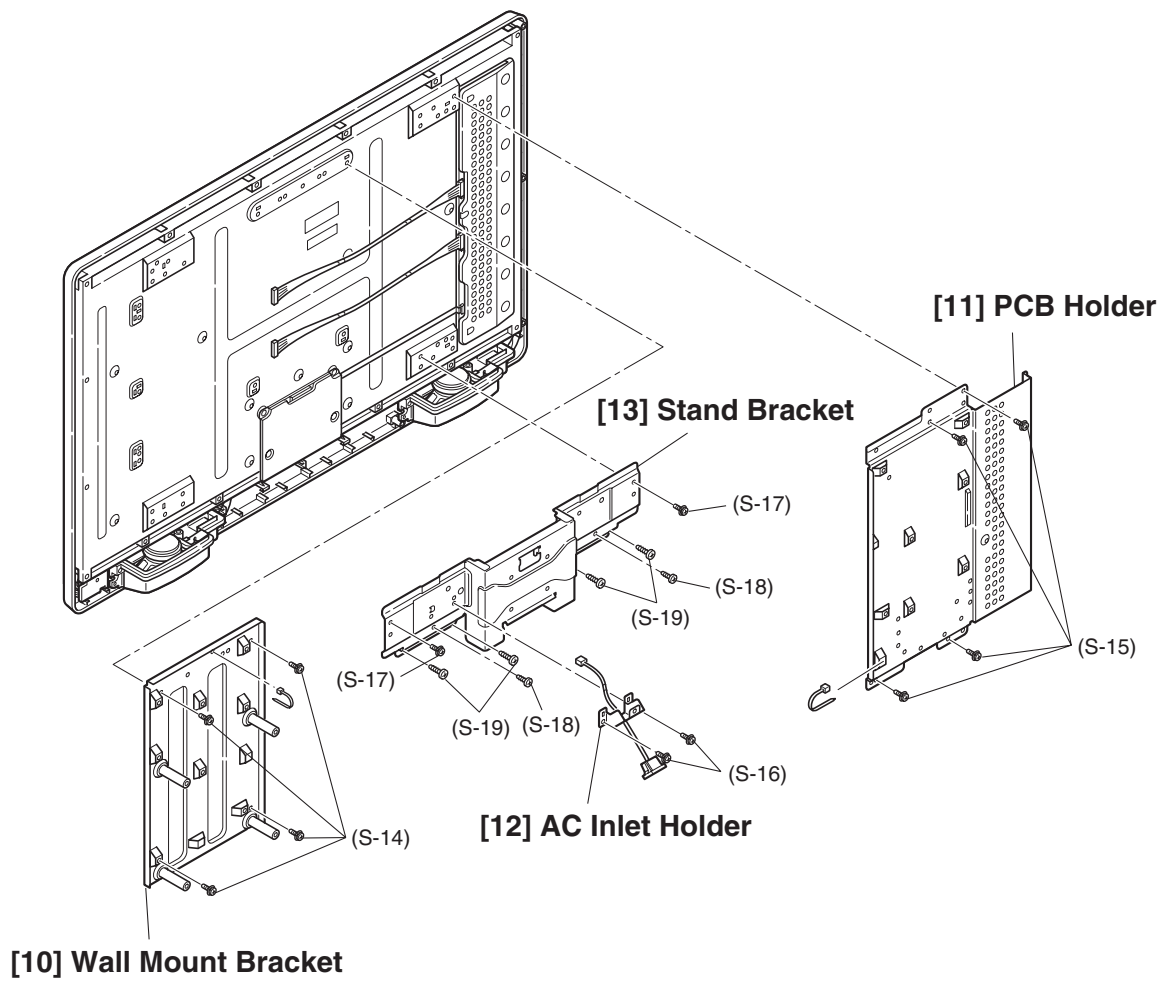


Fig. D3

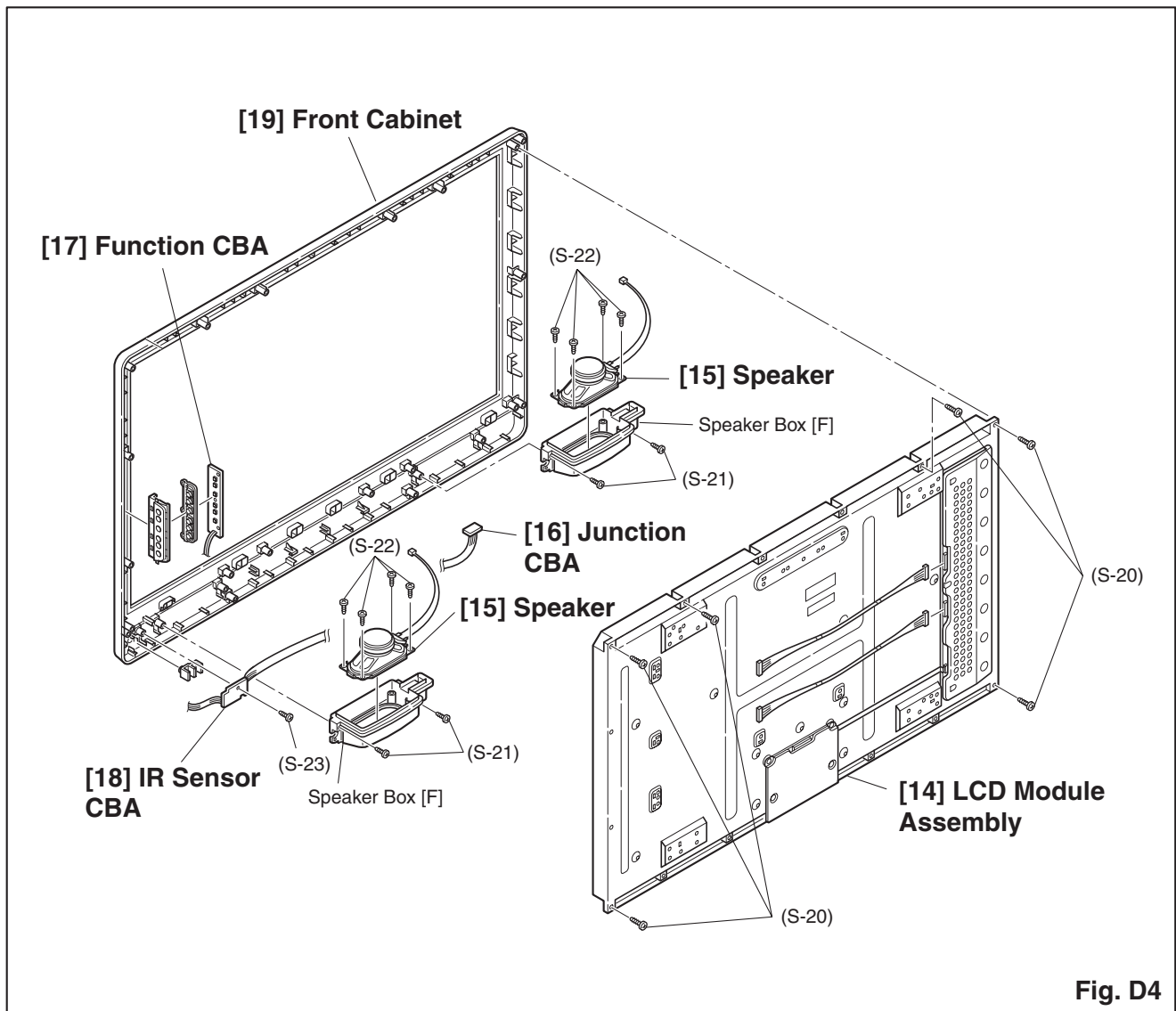


Fig. D4

TV Cable Wiring Diagram

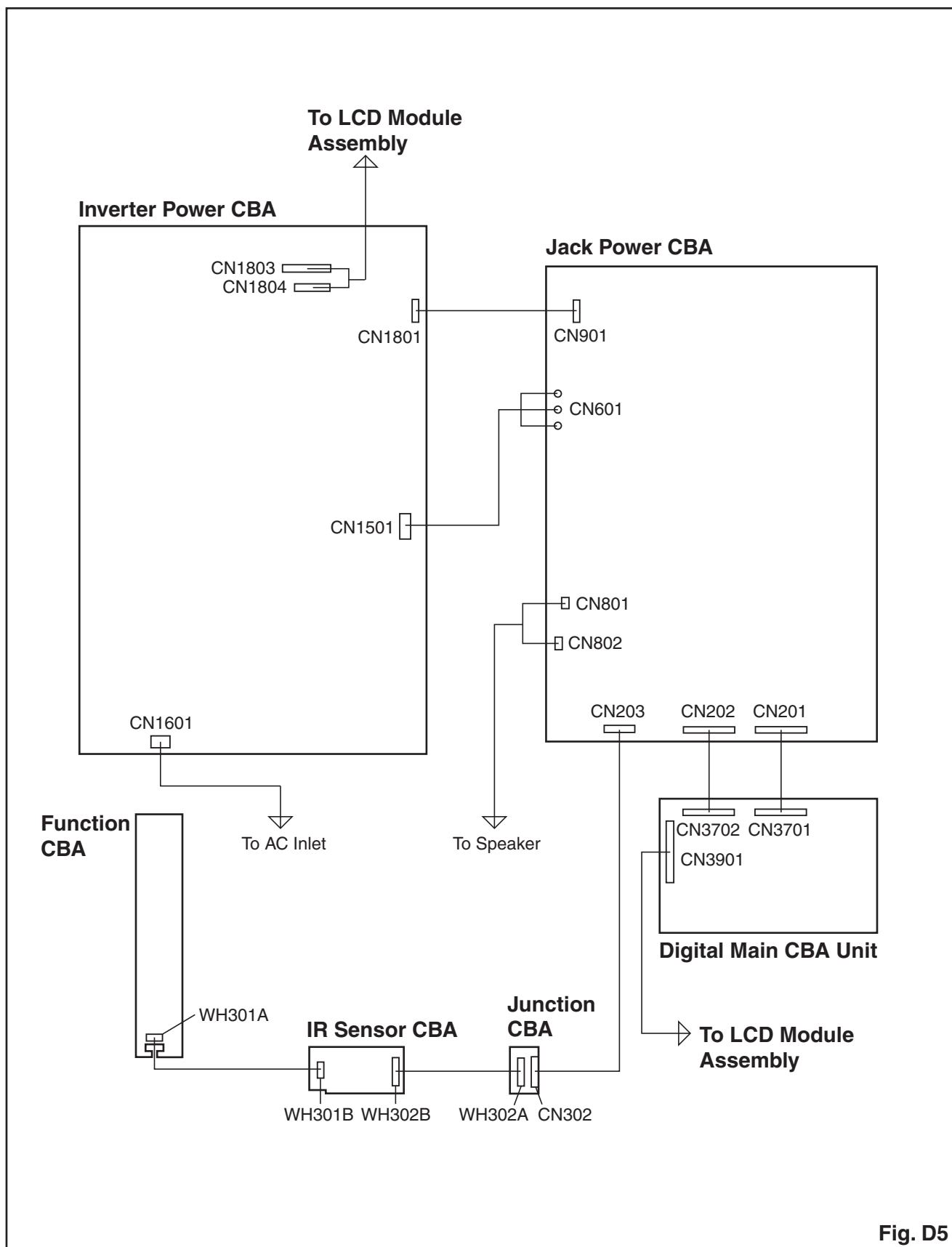


Fig. D5

ELECTRICAL ADJUSTMENT INSTRUCTIONS

General Note: “CBA” is abbreviation for “Circuit Board Assembly.”

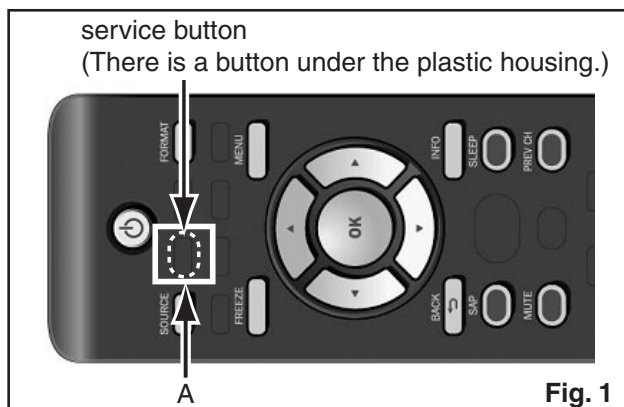
Note: Electrical adjustments are required after replacing circuit components and certain mechanical parts. It is important to perform these adjustments only after all repairs and replacements have been completed. Also, do not attempt these adjustments unless the proper equipment is available.

Test Equipment Required

1. NTSC Pattern Generator (Color Bar W/White Window, Red Color, Dot Pattern, Gray Scale, Monoscope, Multi-Burst)
2. Remote control unit
3. Color Analyzer

How to make the Service remote control unit:

1. Prepare the MAGNAVOX remote control unit. (Part No. NF800UD or NF802UD)
2. Cut “A” portion of the attached remote control unit as shown in Fig. 1.



How to set up the service mode:

Service mode:

1. Use the service remote control unit.
2. Turn the power on.
3. Press the service button on the service remote control unit. The following screen appears.

"*" differs depending on the models.

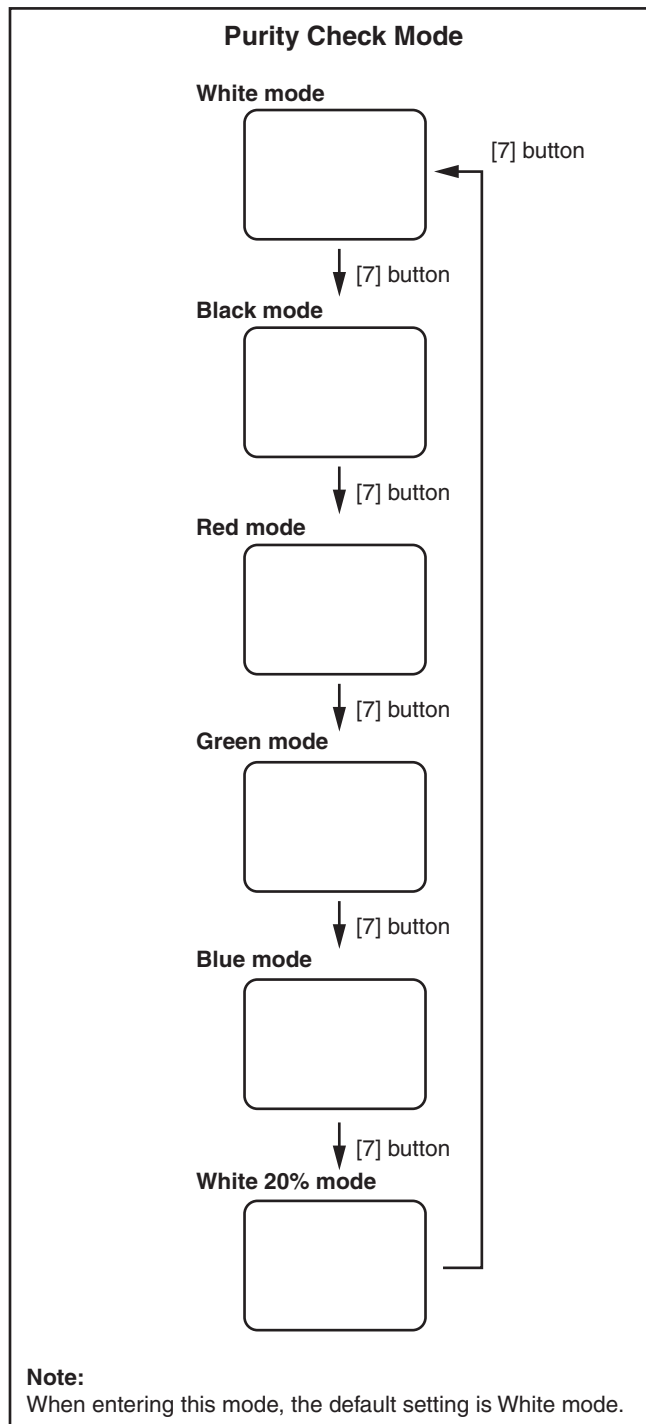
Code : *****_***
Pic code : **_***_**_*****_***
MIPS : Push 0key

Tuner : ****_*****_****
Safety : safety_Non

1. Purity Check Mode

This mode cycles through full-screen displays of red, green, blue, and white to check for non-active pixels.

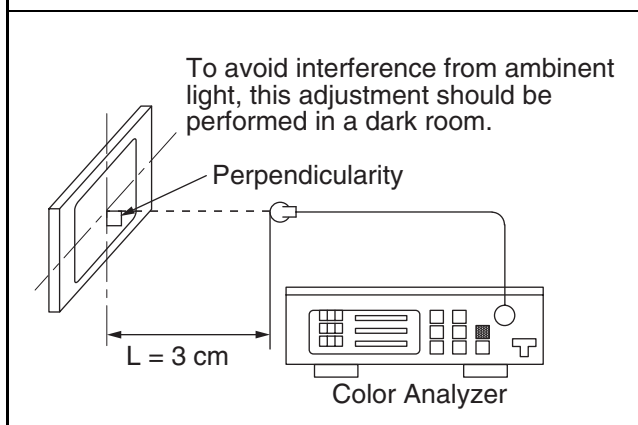
1. Enter the Service mode.
2. Each time pressing [7] button on the service remote control unit, the display changes as follows.



2. VCOM Adjustment

Test Point	Adj. Point
Screen	[CHANNEL UP/DOWN] buttons
M. EQ.	Spec.
Color analyzer	See below

Figure



1. Operate the unit for more than 20 minutes.
2. Set the color analyzer and bring the optical receptor to the center on the LCD-Panel surface after zero point calibration as shown above.
Note: The optical receptor must be set perpendicularly to the LCD Panel surface.
3. Enter the Service mode.
4. Press [3] button on the service remote control unit.
5. Press [CHANNEL UP/DOWN] buttons on the service remote control unit so that the color analyzer value becomes minimum.

The white balance adjustment should be performed when replacing the LCD Panel or Digital CBA.

3. White Balance Adjustment

Purpose: To mix red, green and blue beams correctly for pure white.

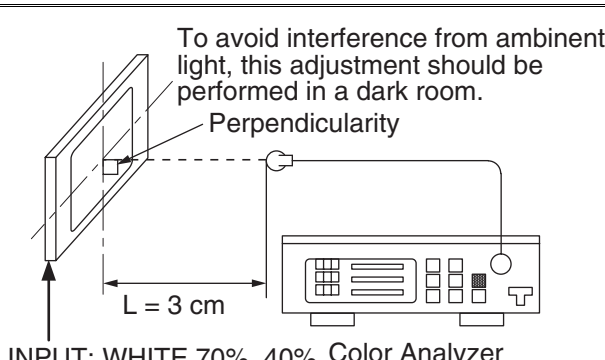
Symptom of Misadjustment: White becomes bluish or reddish.

Test Point	Adj. Point	Mode	Input
Screen	[VOLUME DOWN] button	[VIDEO1] C/D	White Raster (APL 70%) or (APL 40%)
M. EQ.		Spec.	
Pattern Generator, Color analyzer		$x = 0.272 \pm 0.005$ $y = 0.278 \pm 0.005$	

Figure

To avoid interference from ambient light, this adjustment should be performed in a dark room.

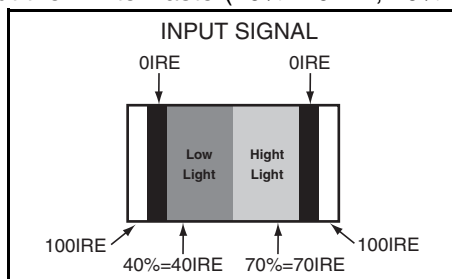
Perpendicularity



L = 3 cm

INPUT: WHITE 70%, 40% Color Analyzer

1. Operate the unit for more than 20 minutes.
2. Input the White Raster(70%=70IRE, 40%=40IRE).



3. Set the color analyzer to the CHROMA mode and bring the optical receptor to the center on the LCD-Panel surface after zero point calibration as shown above.

Note: The optical receptor must be set perpendicularly to the LCD Panel surface.

4. Enter the Service mode. Press [VOLUME DOWN] button on the service remote control unit and select "C/D" mode.

5. [CUTOFF]

Press [1] button to select "COR" for Red Cutoff adjustment. Press [3] button to select "COB" for Blue Cutoff adjustment.

[DRIVE]

Press [4] button to select "DR" for Red Drive adjustment. Press [6] button to select "DB" for Blue Drive adjustment.

6. In each color mode, press [CHANNEL UP/DOWN] buttons to adjust the values of color.
7. Adjust Cutoff and Drive so that the color temperature becomes 12000°K ($x = 0.272$ / $y = 0.278 \pm 0.005$).

HOW TO INITIALIZE THE LCD TV

The purpose of initialization is to place the set in a new out of box condition. The customer will be prompted to select a language and program channels after the set has been initialized.

To put the program back at the factory-default, initialize the LCD TV using the following procedure.

1. Turn the power on.
2. To enter the service mode, press the service button on the service remote control unit.
 - To cancel the service mode, press [POWER] button on the service remote control unit.
3. Press [INFO] button on the service remote control unit to initialize the LCD television.
4. "INITIALIZED" will appear in the upper right of the screen. "INITIALIZED" color will change to green from red when initializing is complete.

FIRMWARE RENEWAL MODE

Equipment Required

- USB memory
- Remote Control Unit

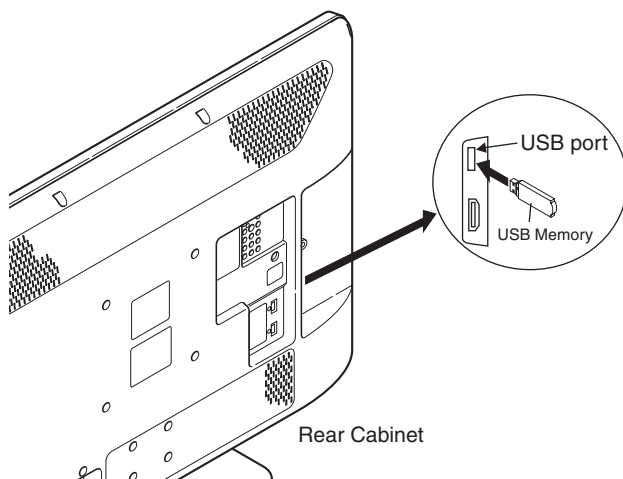
Firmware Update Procedure

Note: There are two states (the User Upgrade and the Factory Upgrade) in firmware update.

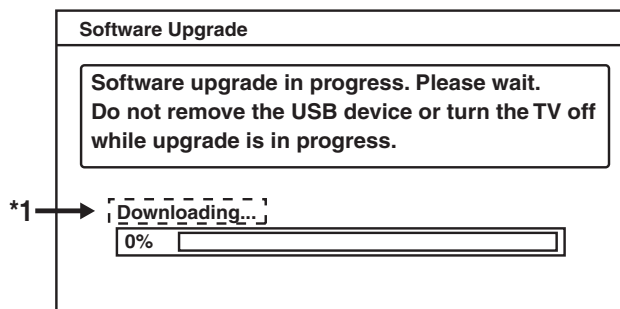
User Upgrade	Upgrade the firmware only. The setting values are not initialized.
Factory upgrade	Upgrade the firmware and initialize the setting values.

The identification of User Upgrade and Factory Upgrade are done by the filename.

- Turn the power off and unplug the AC Cord.
- Insert the USB memory to the USB port as shown below.



- Plug the AC cord in the wall outlet and turn the power on.
- The update will start and the following will appear on the screen.

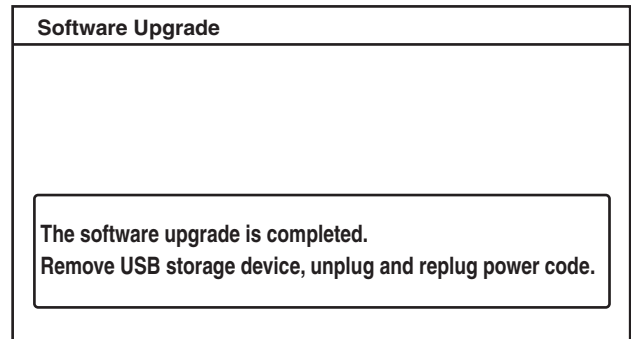


Note: If the above screen isn't displayed, repeat from step 1.

The appearance shown in *1 is described as follows.

Appearance	State
Downloading...	Downloading the firmware from the USB memory.
Writing...	Writing the downloaded firmware in flash memory.
Checking...	Checking the new firmware.

- When the firmware update is completed, the following will appear on the screen.



Unplug the AC cord and kindly remove the USB memory from the USB port. Plug the AC cord in the wall outlet again and turn the power on.

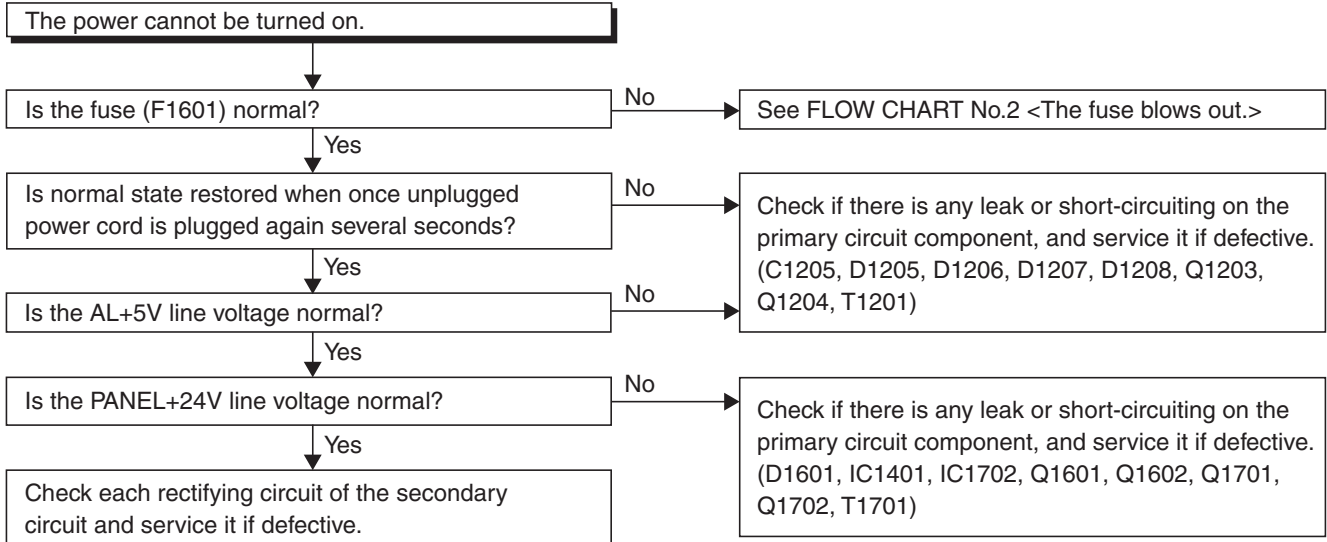
Note:

When the Factory Upgrade is used, after restarting TV, shift to initial screen menu in service mode. "INITIALIZED" will appear on the upper right of the screen. "INITIALIZED" color will change to green from red when initializing is complete.

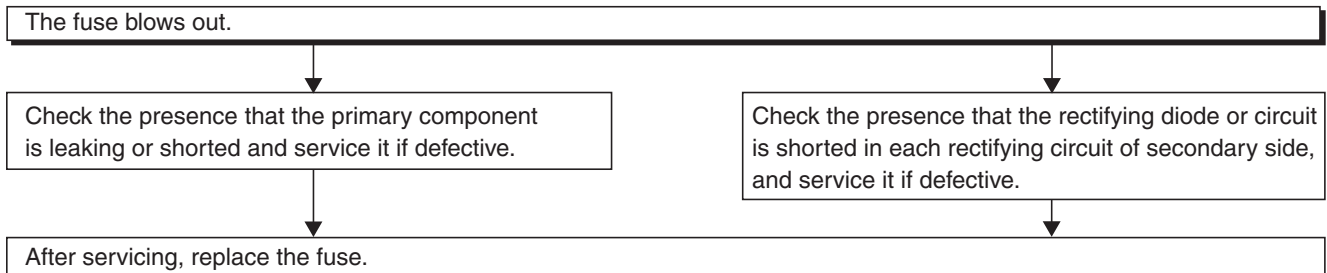
TROUBLESHOOTING

[Power Supply Section] (Inverter Power CBA)

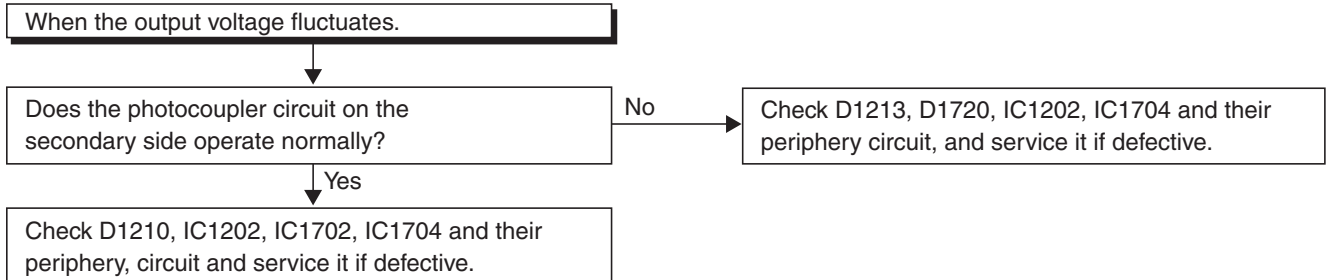
FLOW CHART NO.1



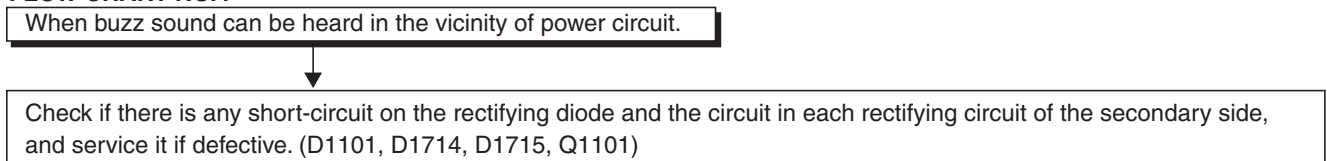
FLOW CHART NO.2



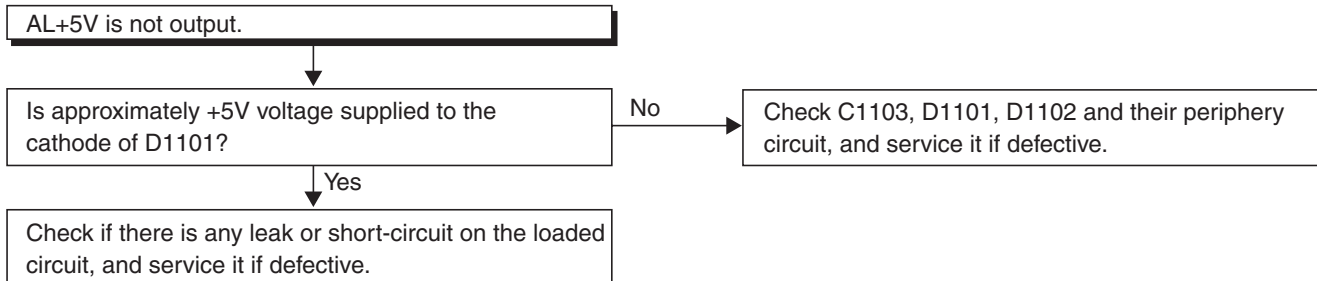
FLOW CHART NO.3



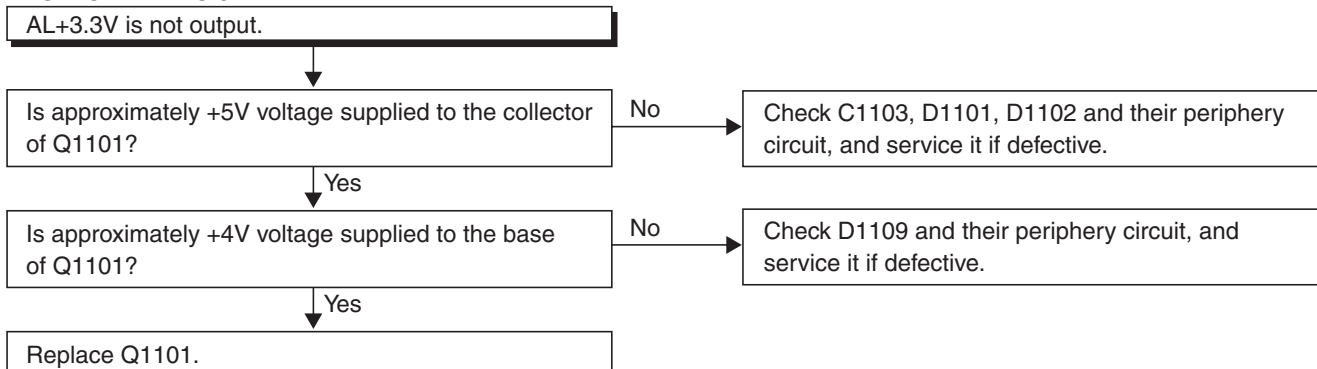
FLOW CHART NO.4



FLOW CHART NO.5

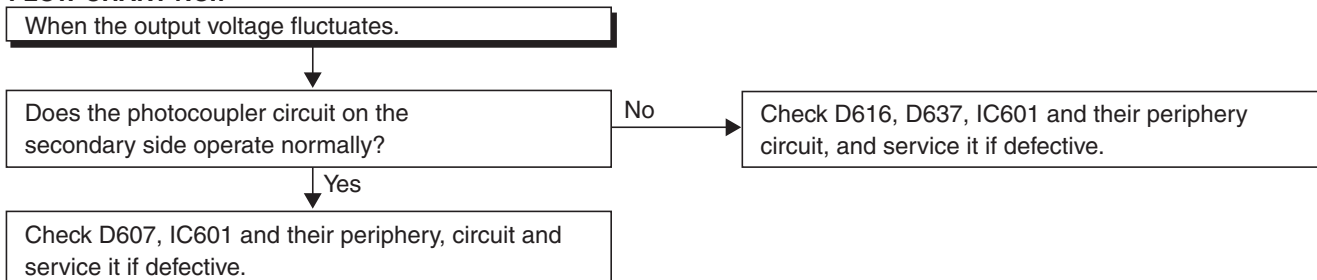


FLOW CHART NO.6

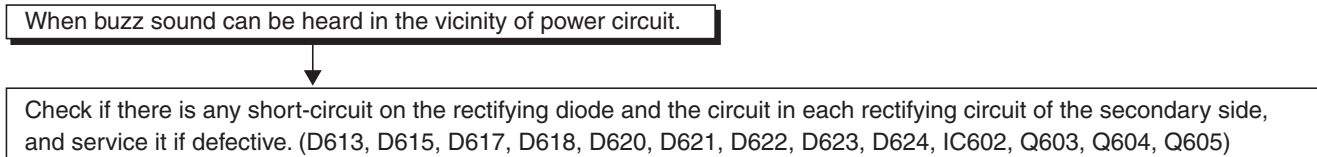


(Jack Power CBA)

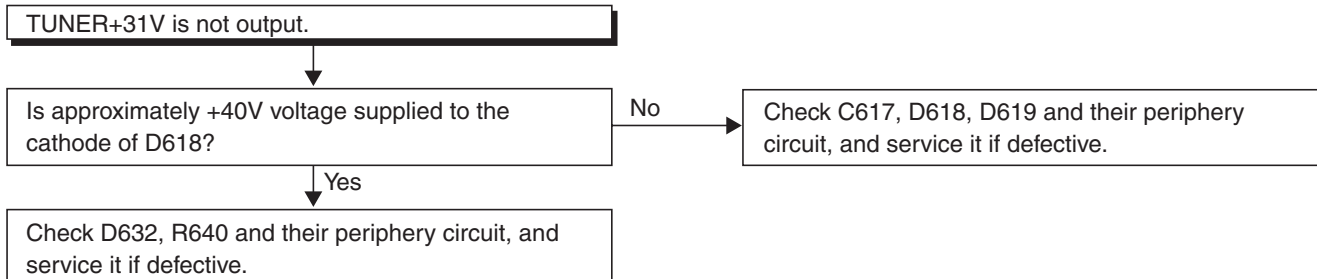
FLOW CHART NO.7



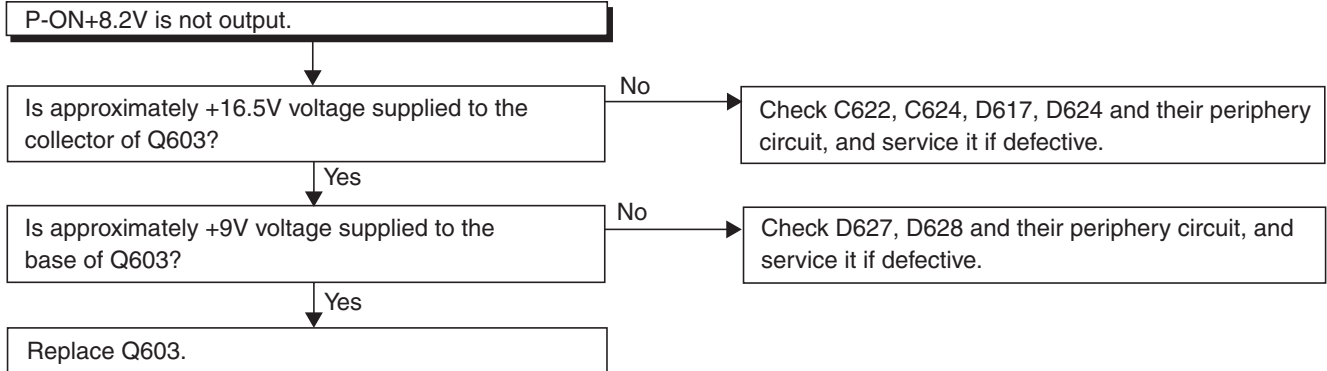
FLOW CHART NO.8



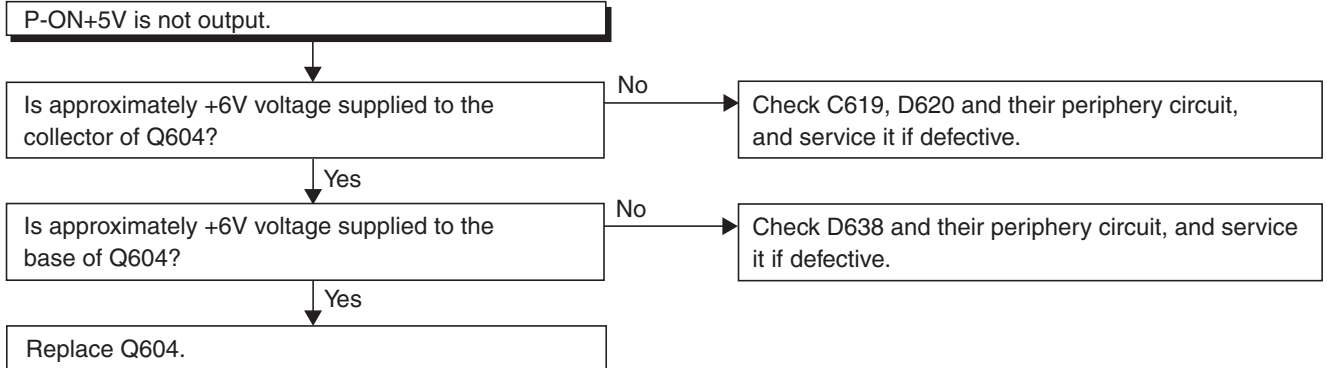
FLOW CHART NO.9



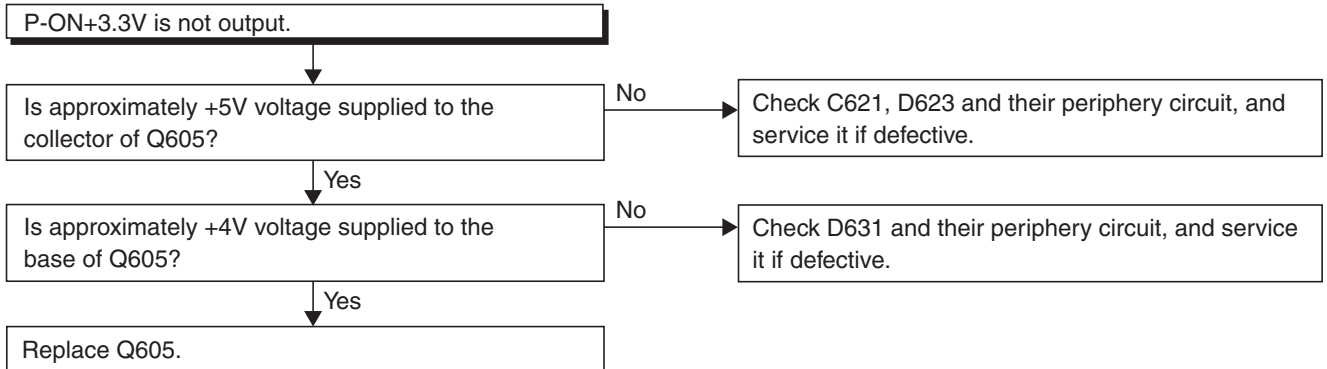
FLOW CHART NO.10



FLOW CHART NO.11

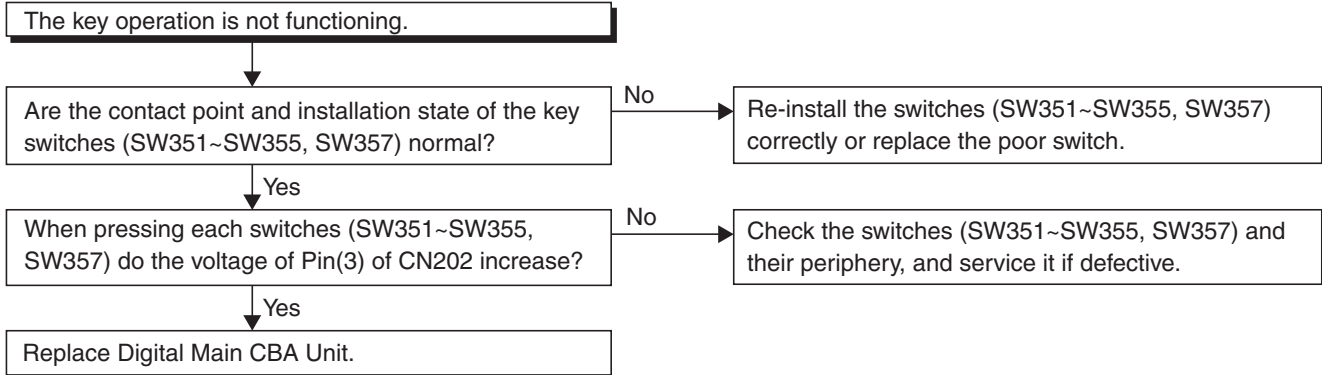


FLOW CHART NO.12

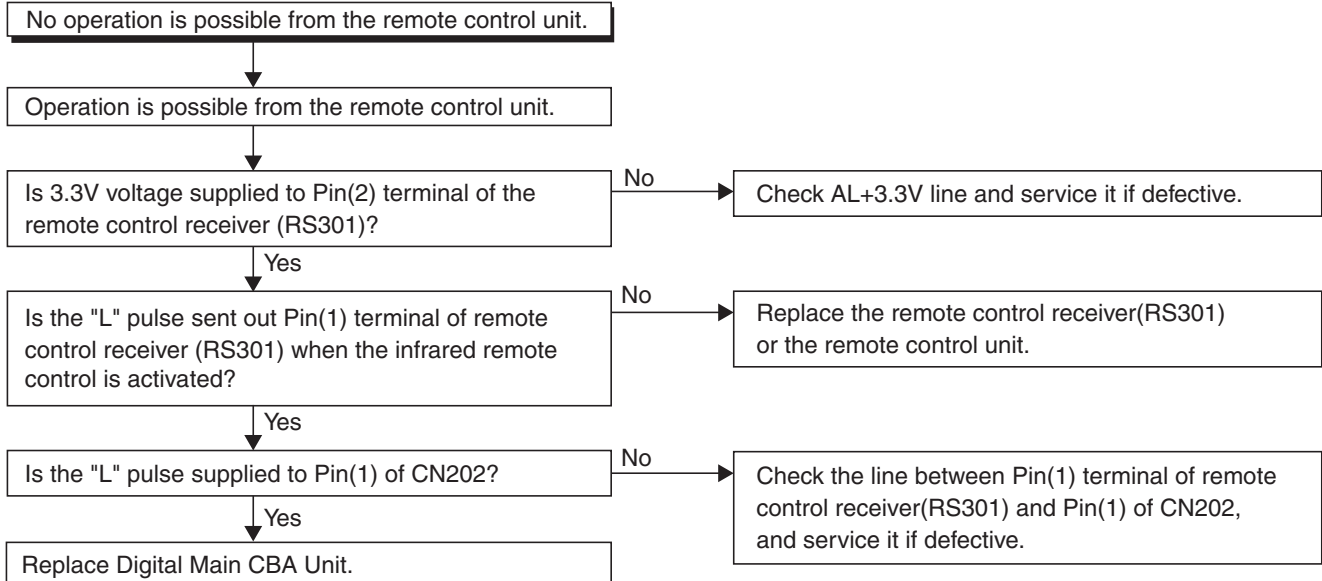


[Video Signal Section]

FLOW CHART NO.1

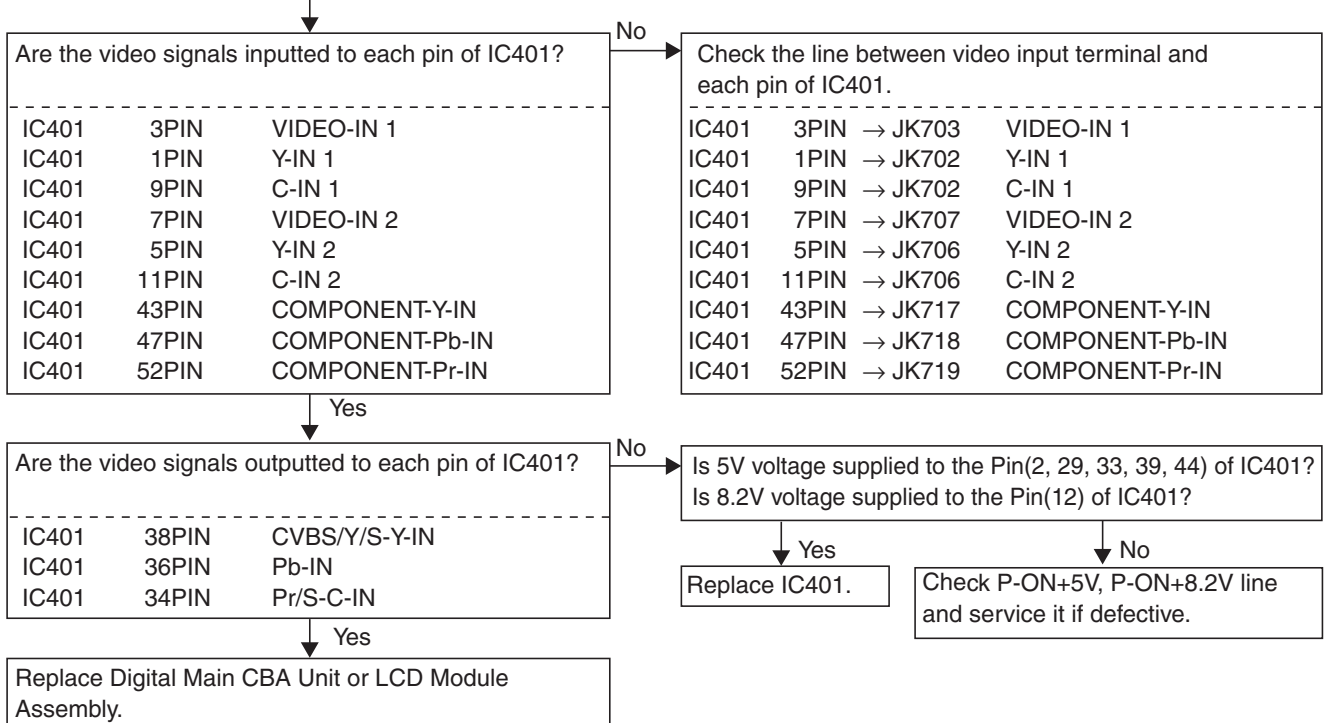


FLOW CHART NO.2



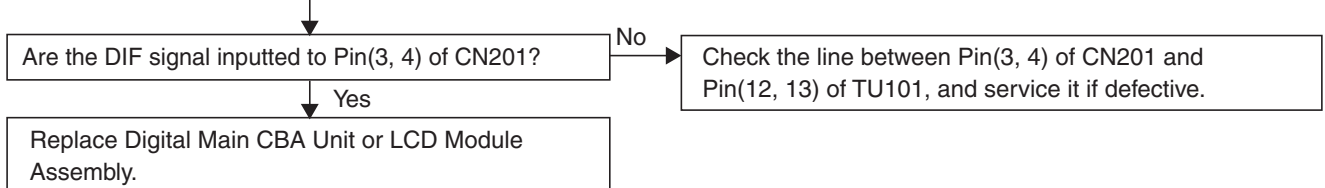
FLOW CHART NO.3

Picture does not appear normally. (EXT. input)



FLOW CHART NO.4

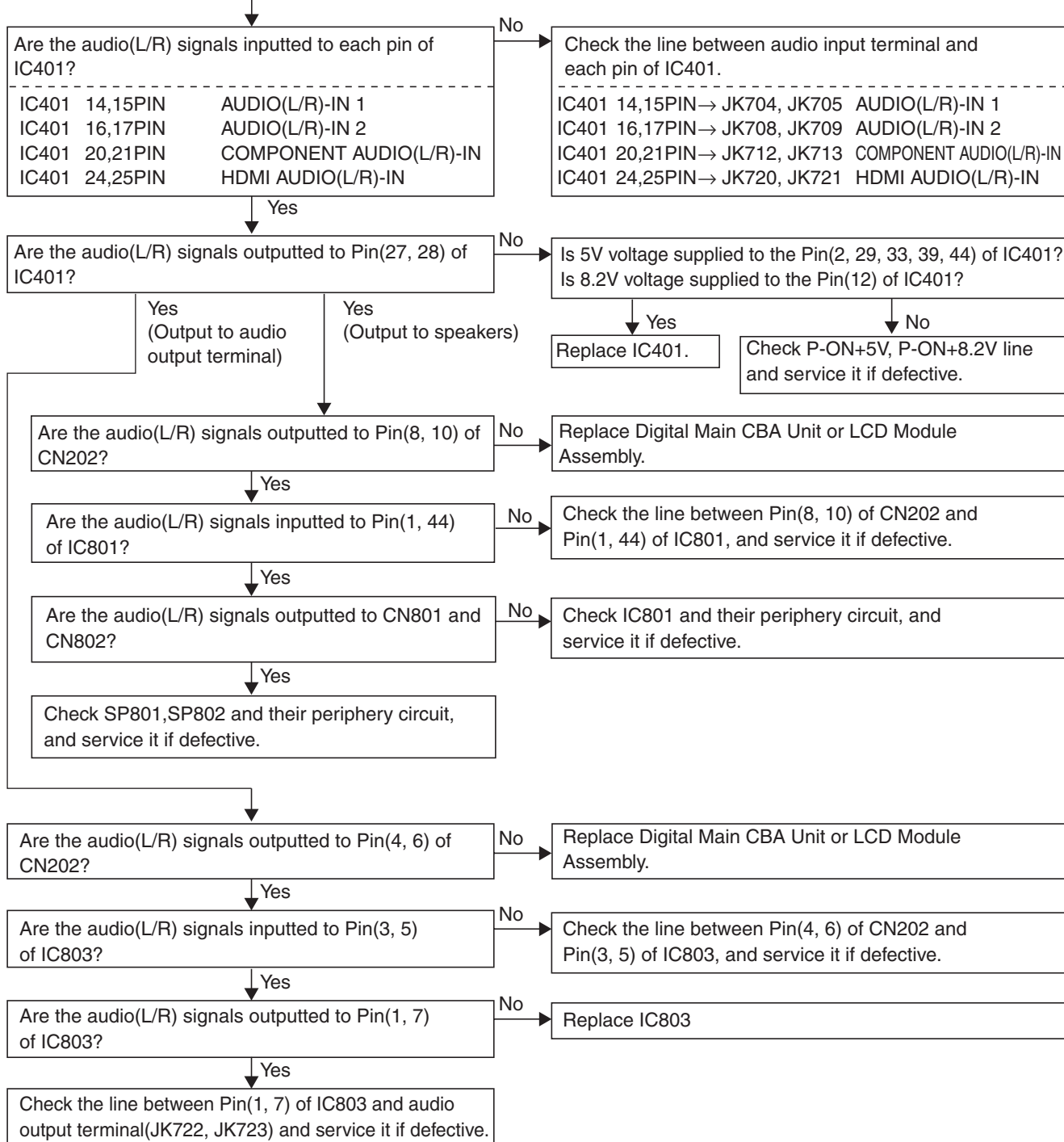
Picture does not appear normally. (Tuner input)



[Audio Signal Section]

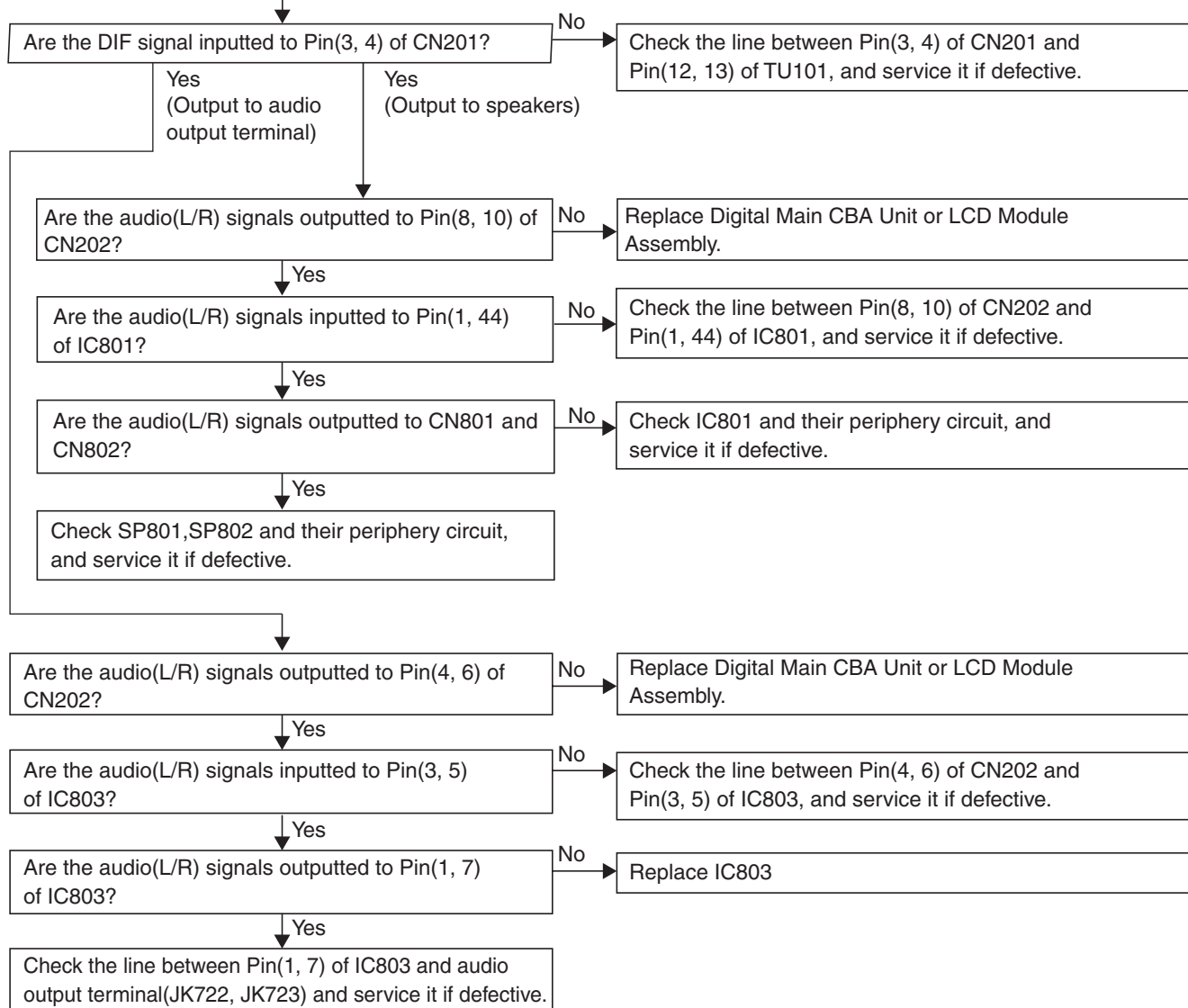
FLOW CHART NO.1

Picture does not appear normally. (EXT. input)



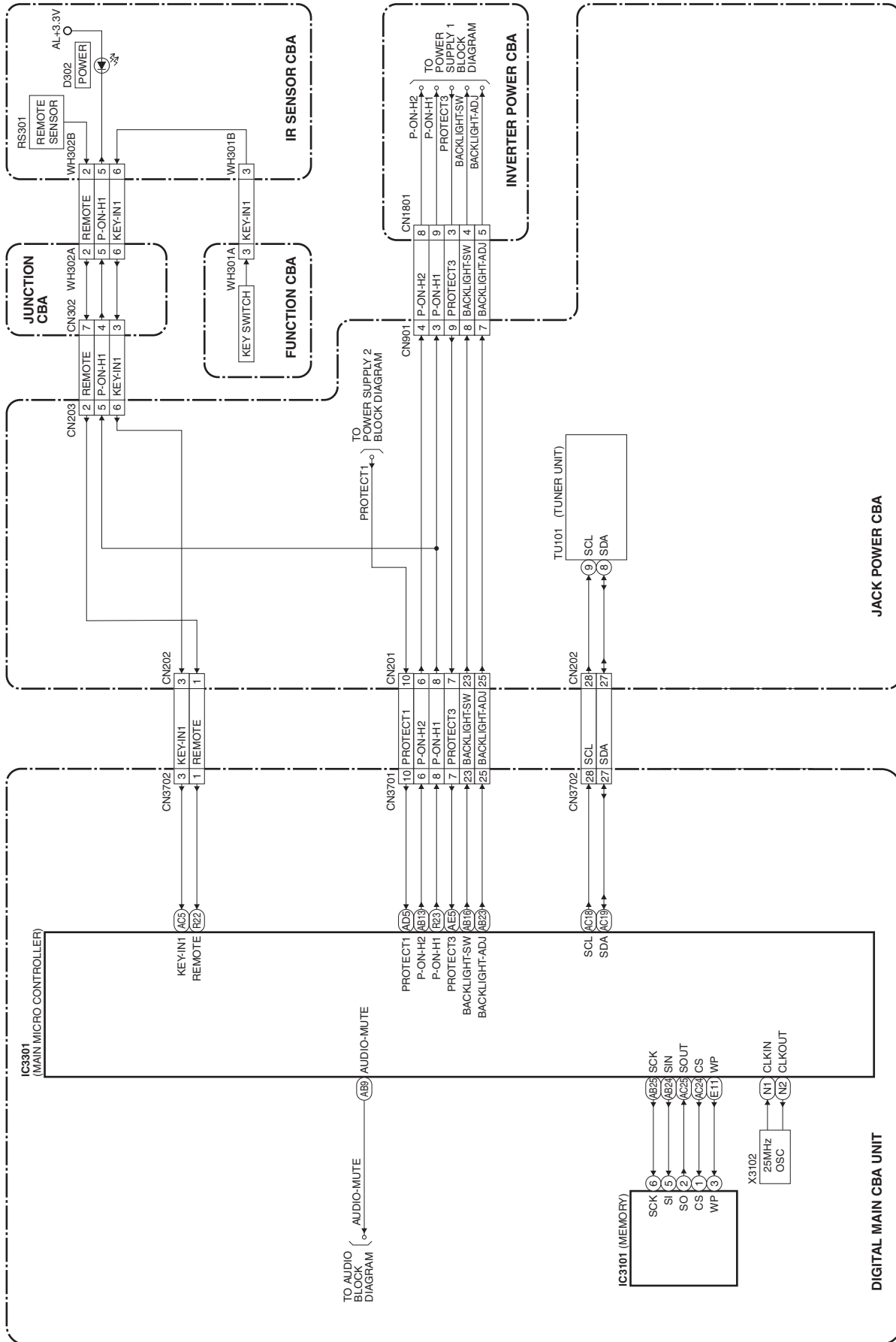
FLOW CHART NO.2

Picture does not appear normally. (Tuner input)

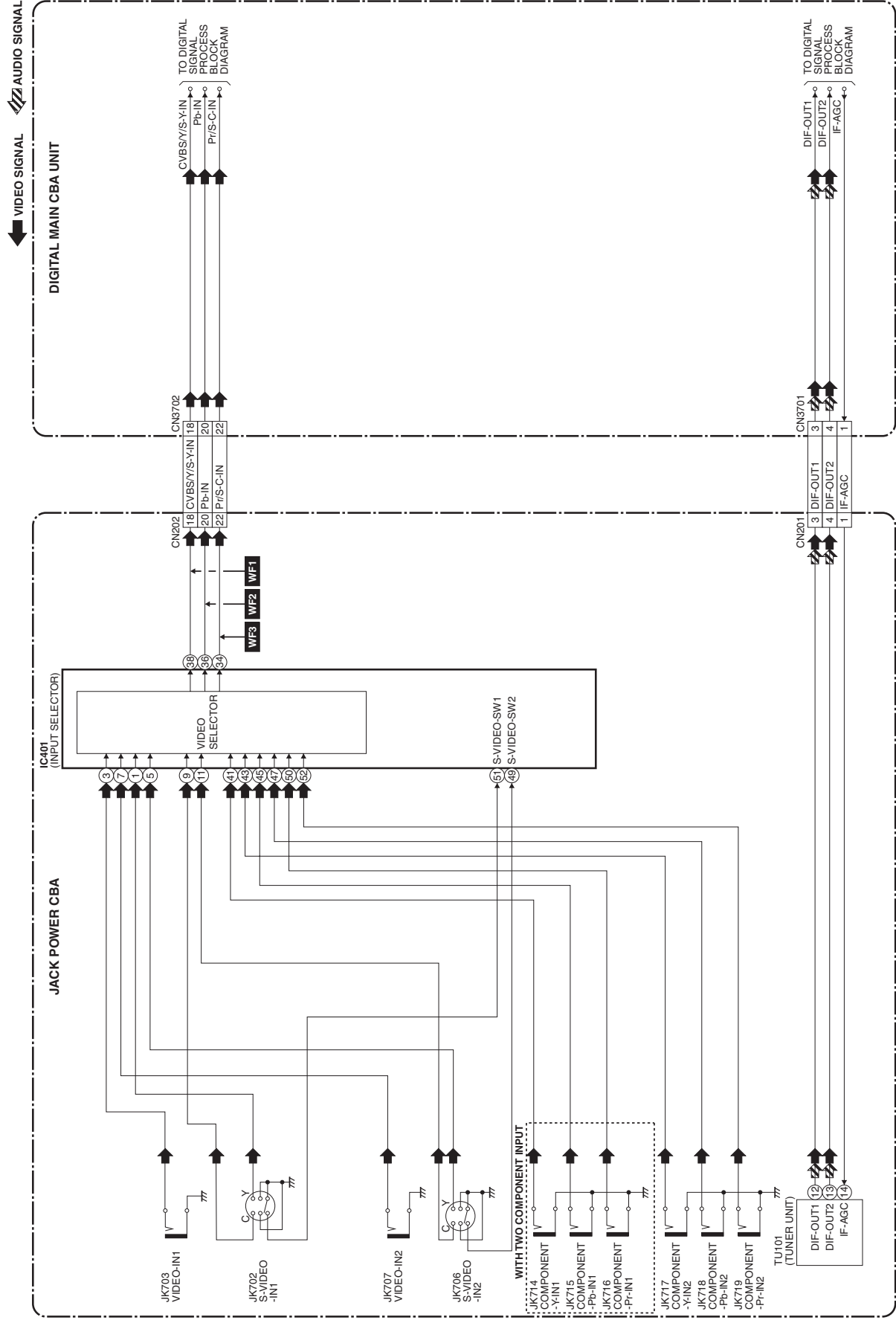


BLOCK DIAGRAMS

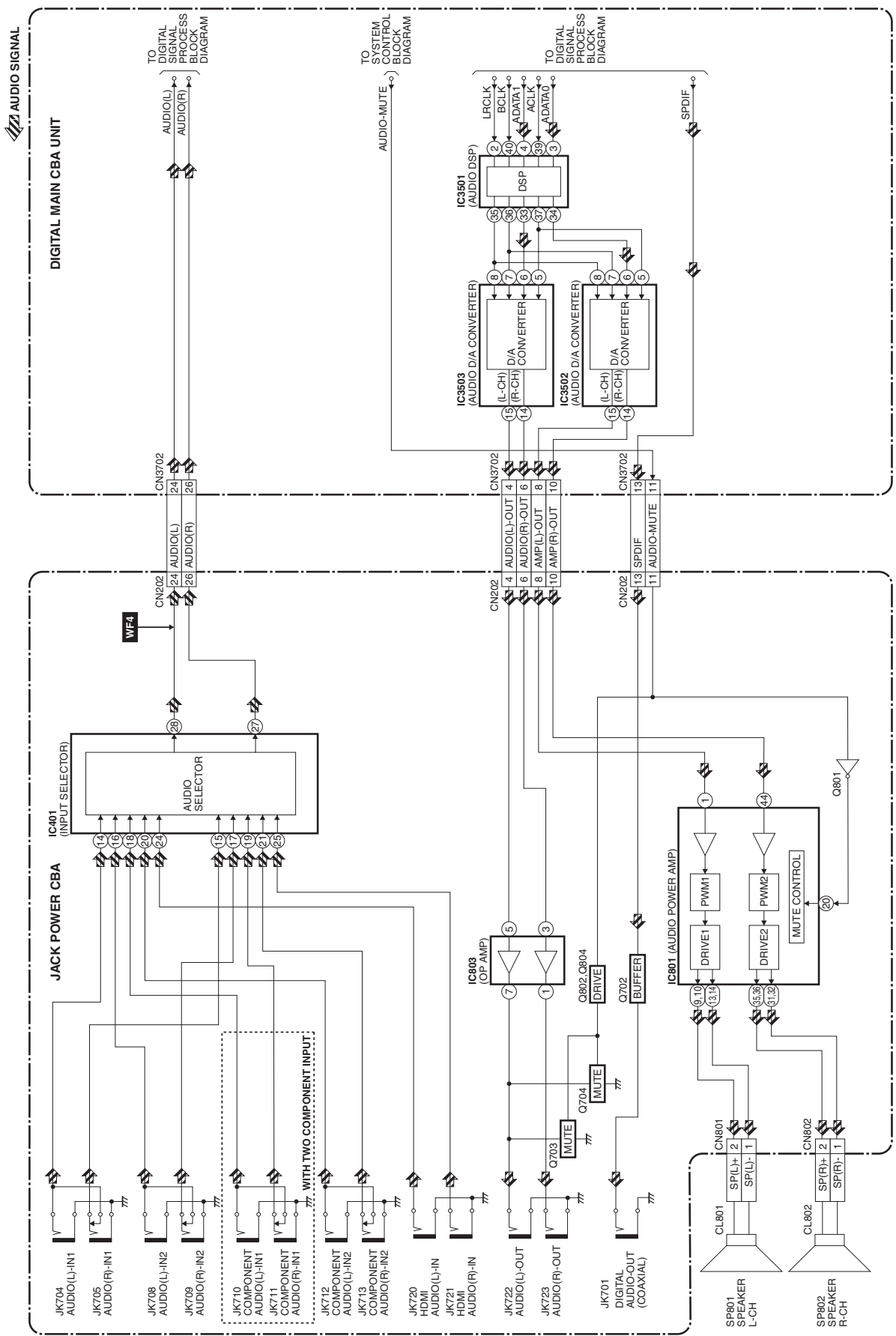
System Control Block Diagram



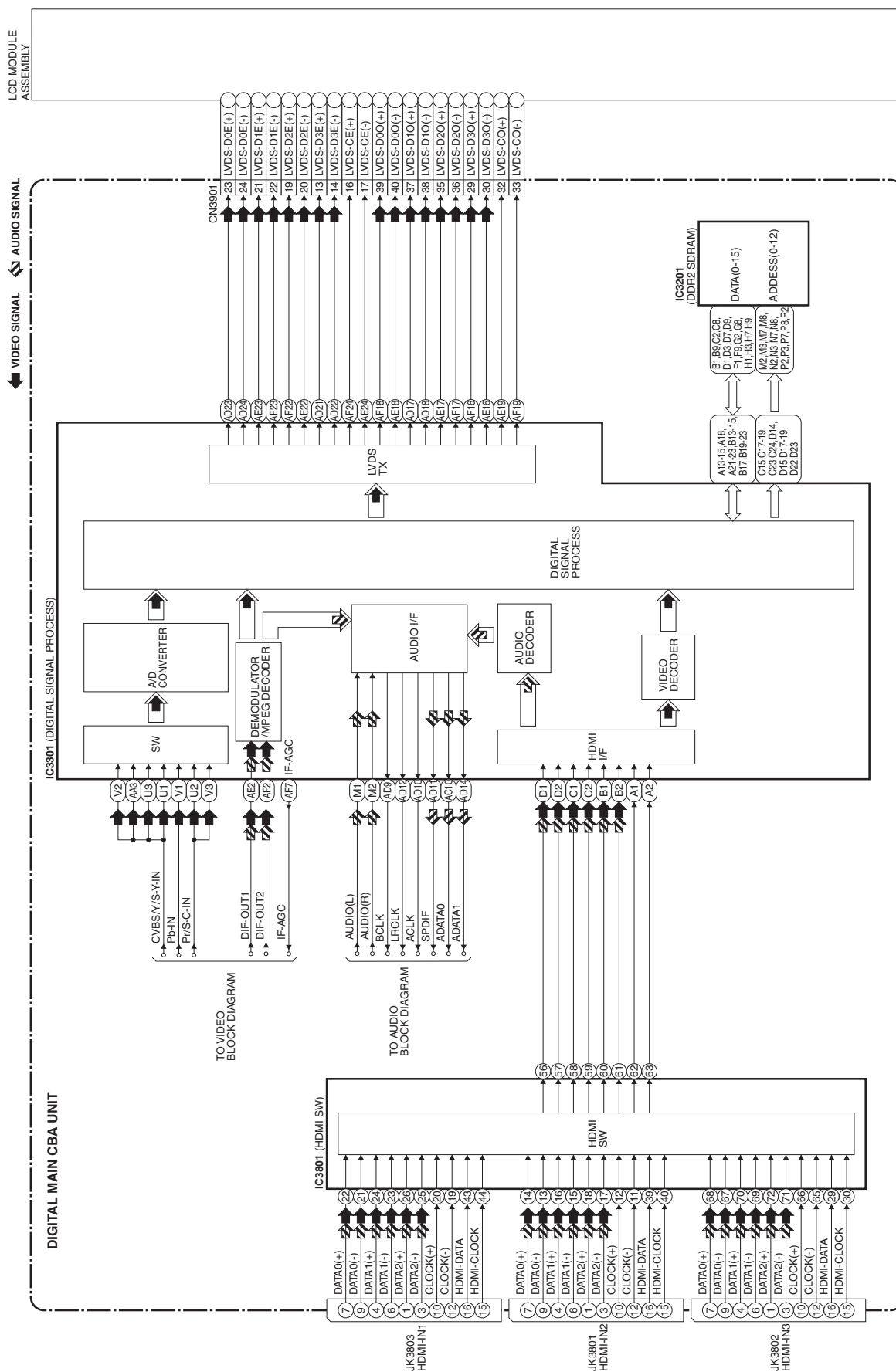
Video Block Diagram



Audio Block Diagram



Digital Signal Process Block Diagram



Power Supply 1 Block Diagram

[42PFL3704D/F7 (Serial No. : DS1A*****, YA2A*****)]

CAUTION !

Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.



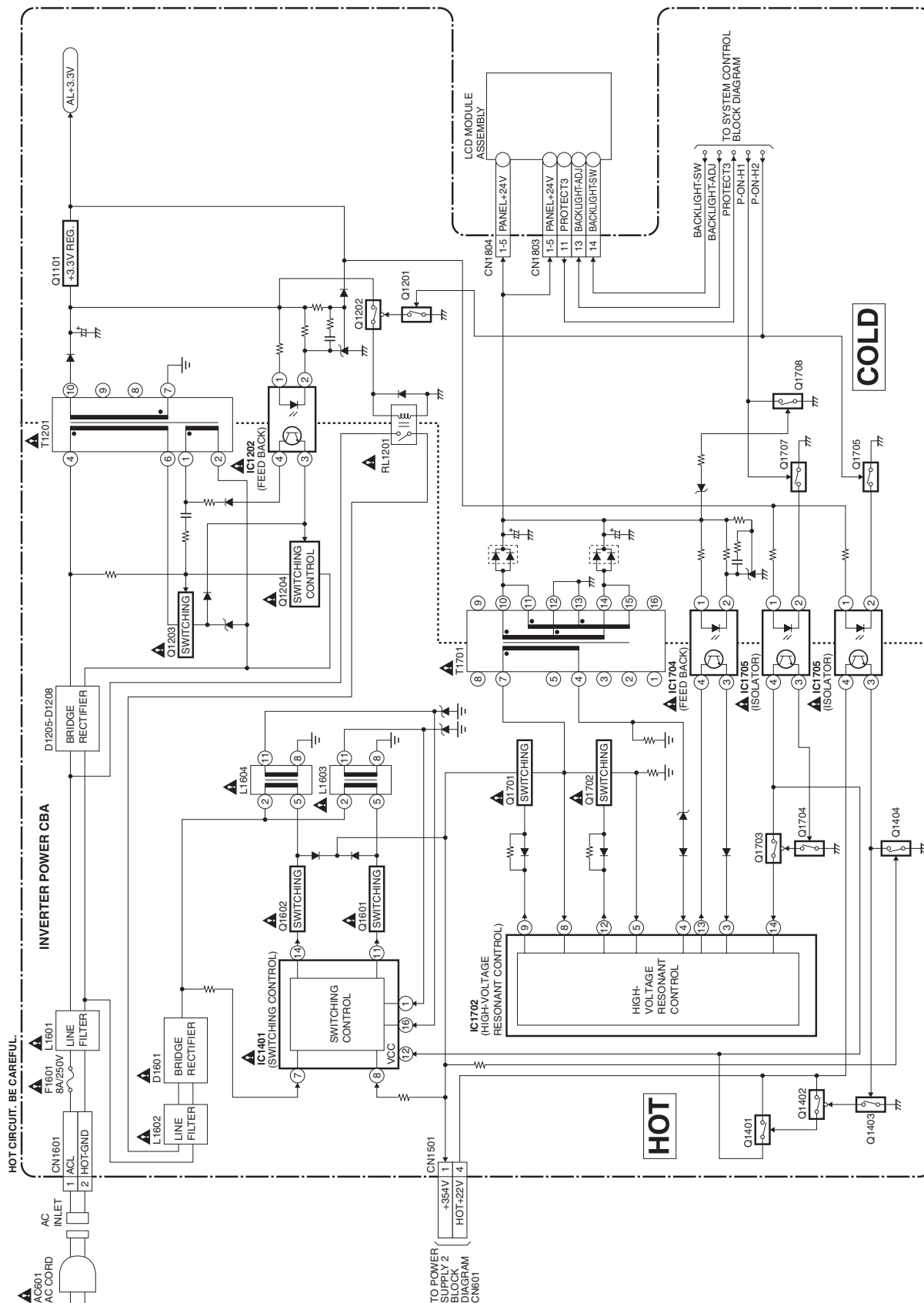
CAUTION !

For continued protection against risk of fire,
replace only with same type 4 A, 125V fuse.

ATTENTION : Utiliser un fusible de rechange de même type de 4A, 125V.

NOTE:

The voltage for parts in hot circuit is measured using
hot GND as a common terminal.



Power Supply 1 Block Diagram [42PFL3704D/F7 (Serial No. : YA1A*****)]

CAUTION !

Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

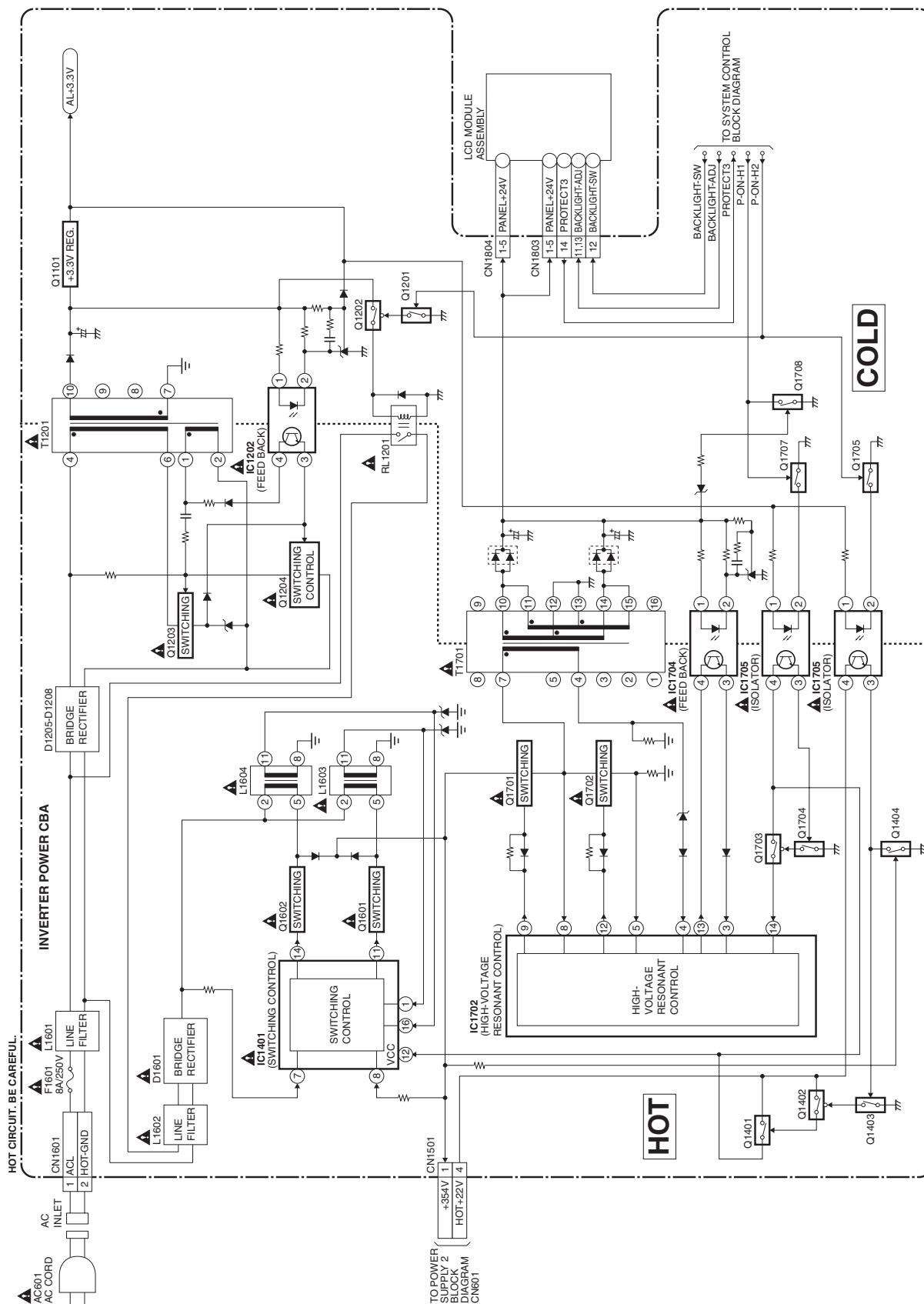


CAUTION ! : For continued protection against risk of fire,
replace only with same type 4 A, 125V fuse.

ATTENTION : Utiliser un fusible de rechange de même type de 4A, 125V.

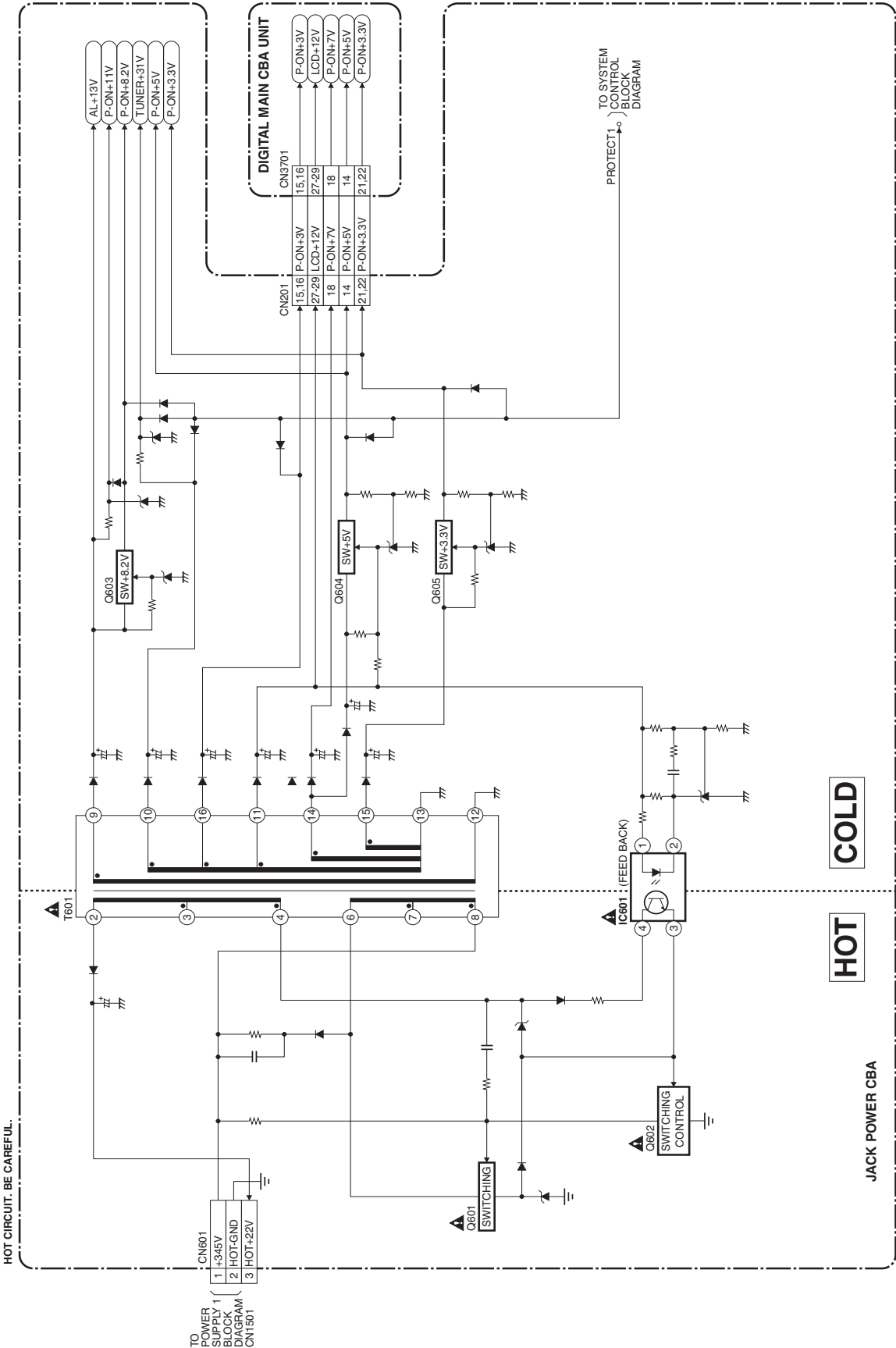
NOTE:

The voltage for parts in hot circuit is measured using
hot GND as a common terminal.



Power Supply 2 Block Diagram

NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



SCHEMATIC DIAGRAMS / CBA AND TEST POINTS

Standard Notes

WARNING

Many electrical and mechanical parts in this chassis have special characteristics. These characteristics often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the mark “▲” in the schematic diagram and the parts list. Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

Notes:

1. Do not use the part number shown on these drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since these drawings were prepared.
2. All resistance values are indicated in ohms ($K = 10^3$, $M = 10^6$).
3. Resistor wattages are 1/4W or 1/6W unless otherwise specified.
4. All capacitance values are indicated in μF ($P = 10^{-6} \mu F$).
5. All voltages are DC voltages unless otherwise specified.
6. This schematic diagrams are masterized version that should cover the entire FL9.2 chasis models. Thus some parts in detail illustrated on this schematic diagrams may vary depend on the model within the FL9.2 chasis. Please refer to the parts lists for each models.
7. The Circuit Board layout illustrated on this service manual is the latest version for this chasis at the moment of making this service manual. Depend on the mass production date of each model, the acutual layout of each Board may differ slightly from this version.

LIST OF CAUTION, NOTES, AND SYMBOLS USED IN THE SCHEMATIC DIAGRAMS ON THE FOLLOWING PAGES:

1. CAUTION:

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE_A,_V FUSE.

ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MÊME TYPE DE_A,_V.

2. CAUTION:

Fixed Voltage (or Auto voltage selectable) power supply circuit is used in this unit.

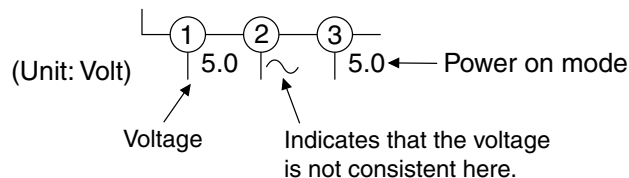
If Main Fuse (F1601) is blown, first check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

3. Note:

1. Do not use the part number shown on the drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since the drawings were prepared.
2. To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

4. Voltage indications on the schematics are as shown below:

Plug the TV power cord into a standard AC outlet.:

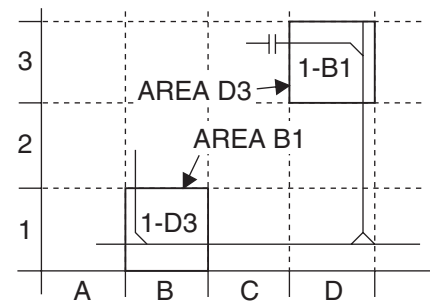


5. How to read converged lines

1-D3
 ↑ Distinction Area
 Line Number
 (1 to 3 digits)

Examples:

1. "1-D3" means that line number "1" goes to the line number "1" of the area "D3".
2. "1-B1" means that line number "1" goes to the line number "1" of the area "B1".



6. Test Point Information

⊖ : Indicates a test point with a jumper wire across a hole in the PCB.

□→ : Used to indicate a test point with a component lead on foil side.

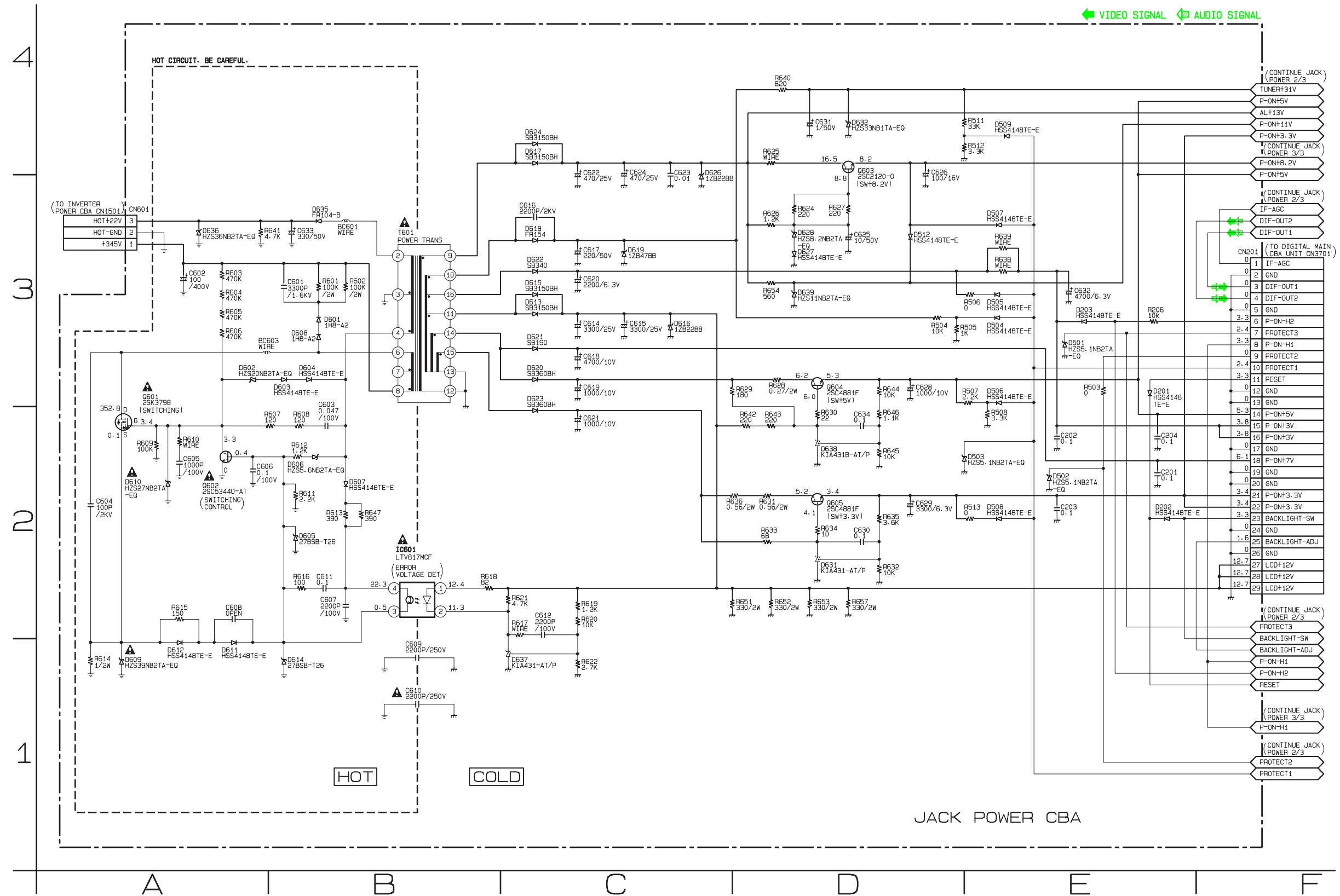
⊗ : Used to indicate a test point with no test pin.

● : Used to indicate a test point with a test pin.

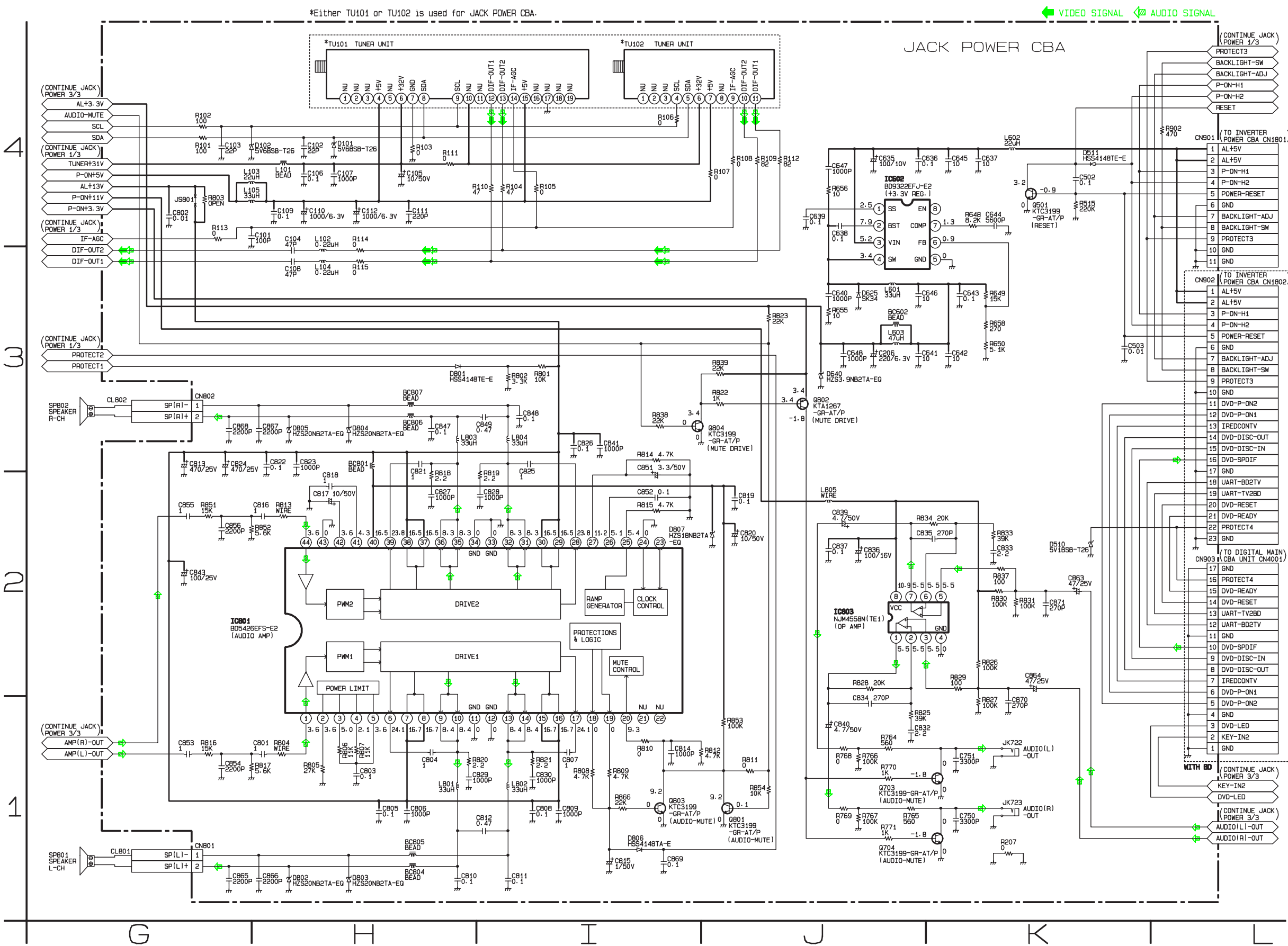
Jack Power 1/3 Schematic Diagram

NOTE:

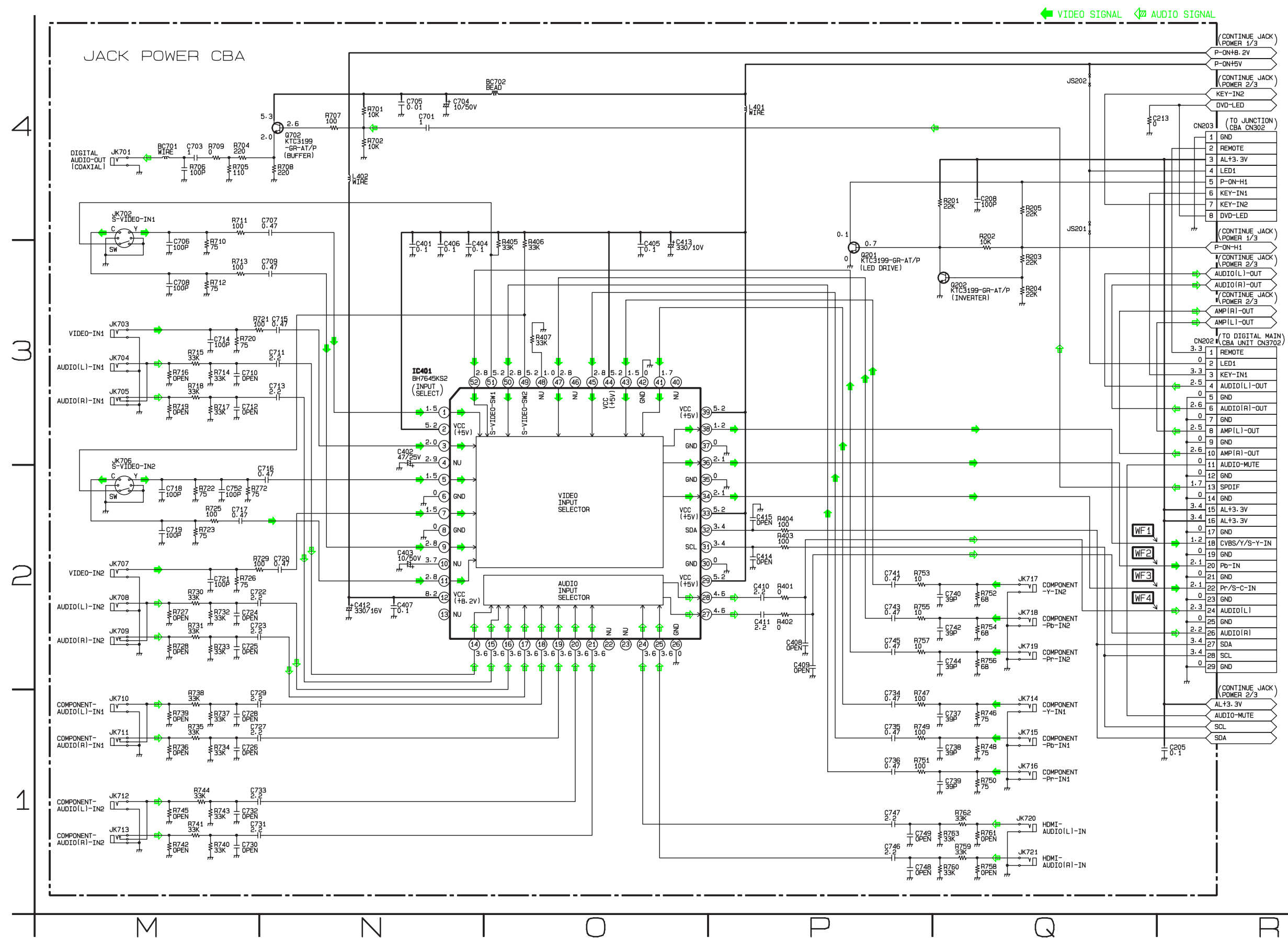
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



Jack Power 2/3 Schematic Diagram



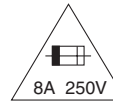
Jack Power 3/3 Schematic Diagram



Inverter Power 1/3 Schematic Diagram [42PFL3704D/F7 (Serial No. : DS1A*****, YA2A*****)]

CAUTION !

Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit. If Main Fuse (F1601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

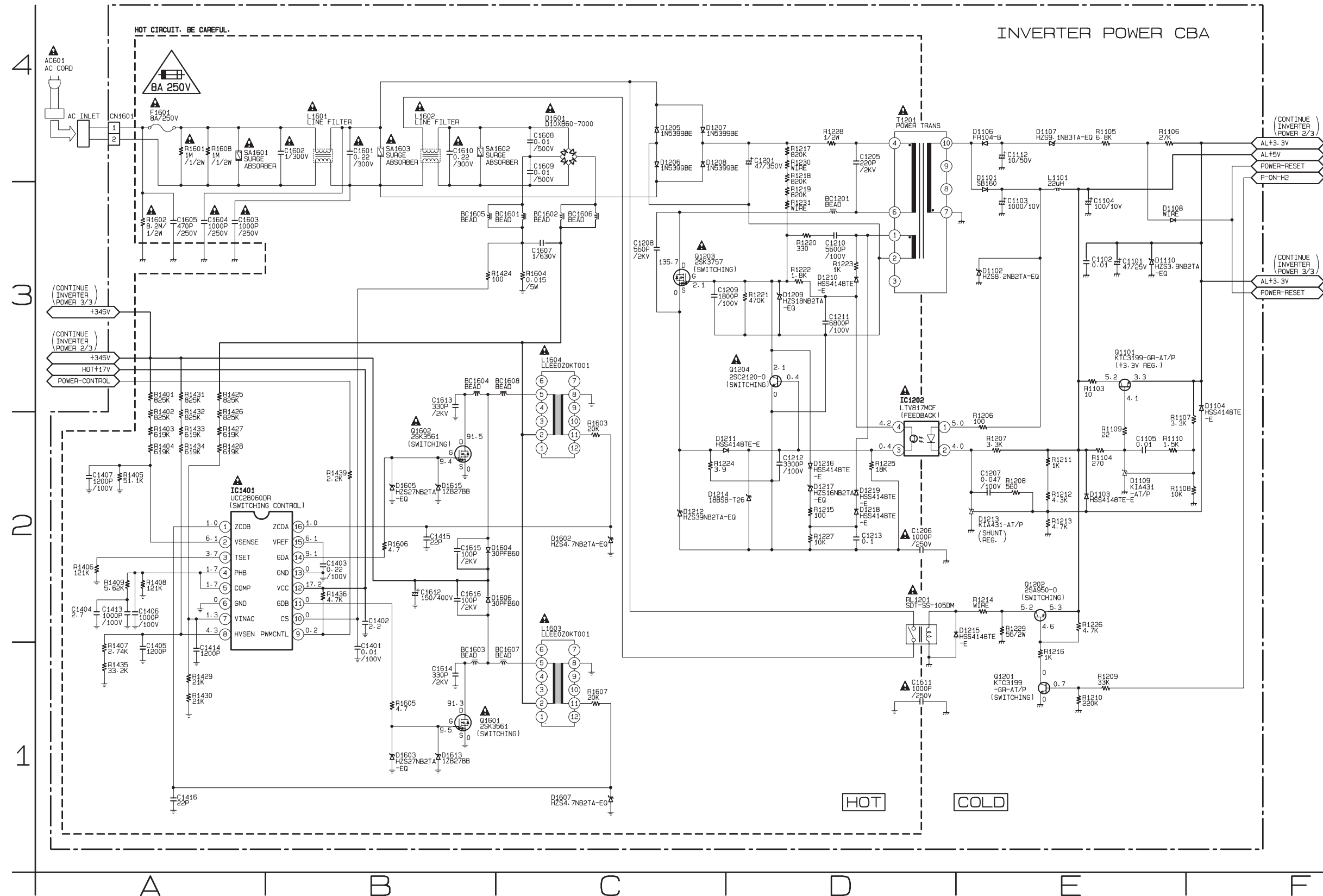


CAUTION ! : For continued protection against risk of fire, replace only with same type 8A, 250V fuse.

ATTENTION : Utiliser un fusible de rechange de même type de 8A, 250V.

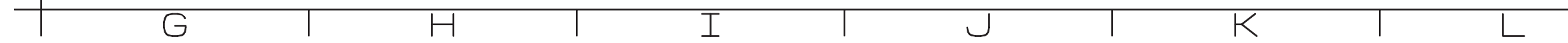
NOTE:

The voltage for parts in hot circuit is measured using hot GND as a common terminal.



4
—
3
—
2
—
1

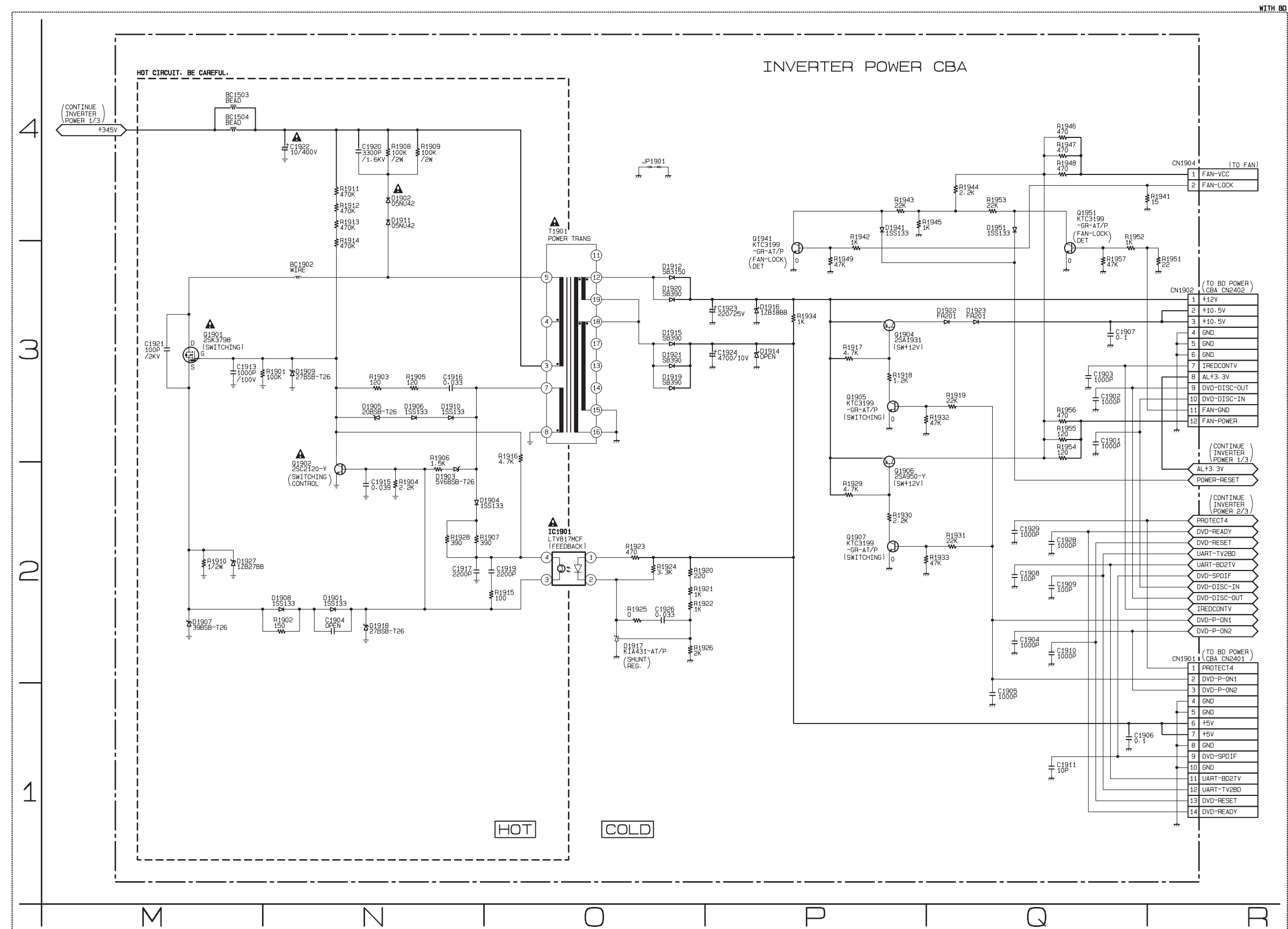
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



Inverter Power 3/3 Schematic Diagram [42PFL3704D/F7 (Serial No. : DS1A*****, YA2A*****)]

NOTE:

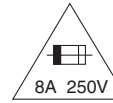
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



Inverter Power 1/3 Schematic Diagram [42PFL3704D/F7 (Serial No. : YA1A*****)]

CAUTION !

Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

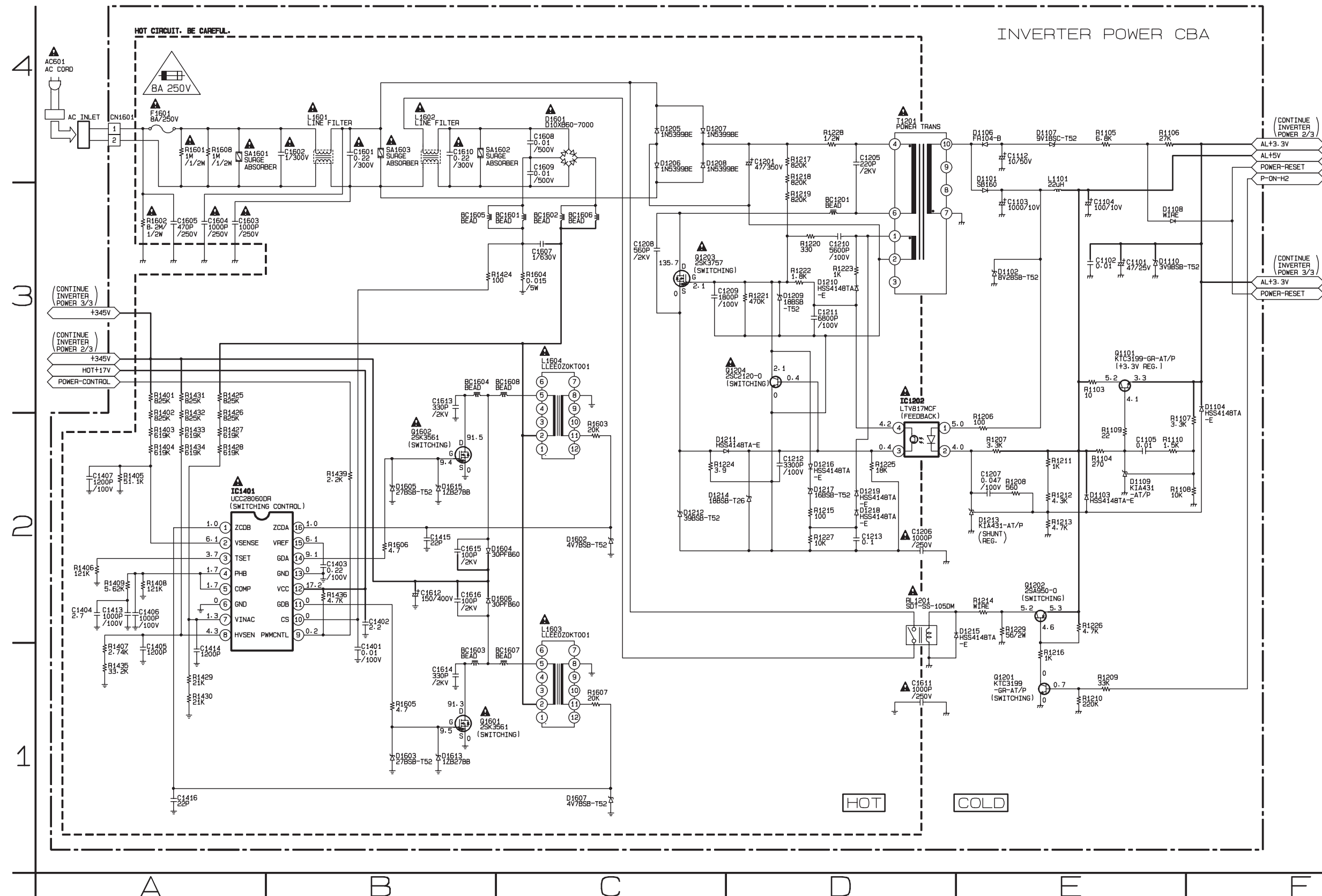


CAUTION ! : For continued protection against risk of fire, replace only with same type 8A, 250V fuse.

ATTENTION : Utiliser un fusible de rechange de même type de 8A, 250V.

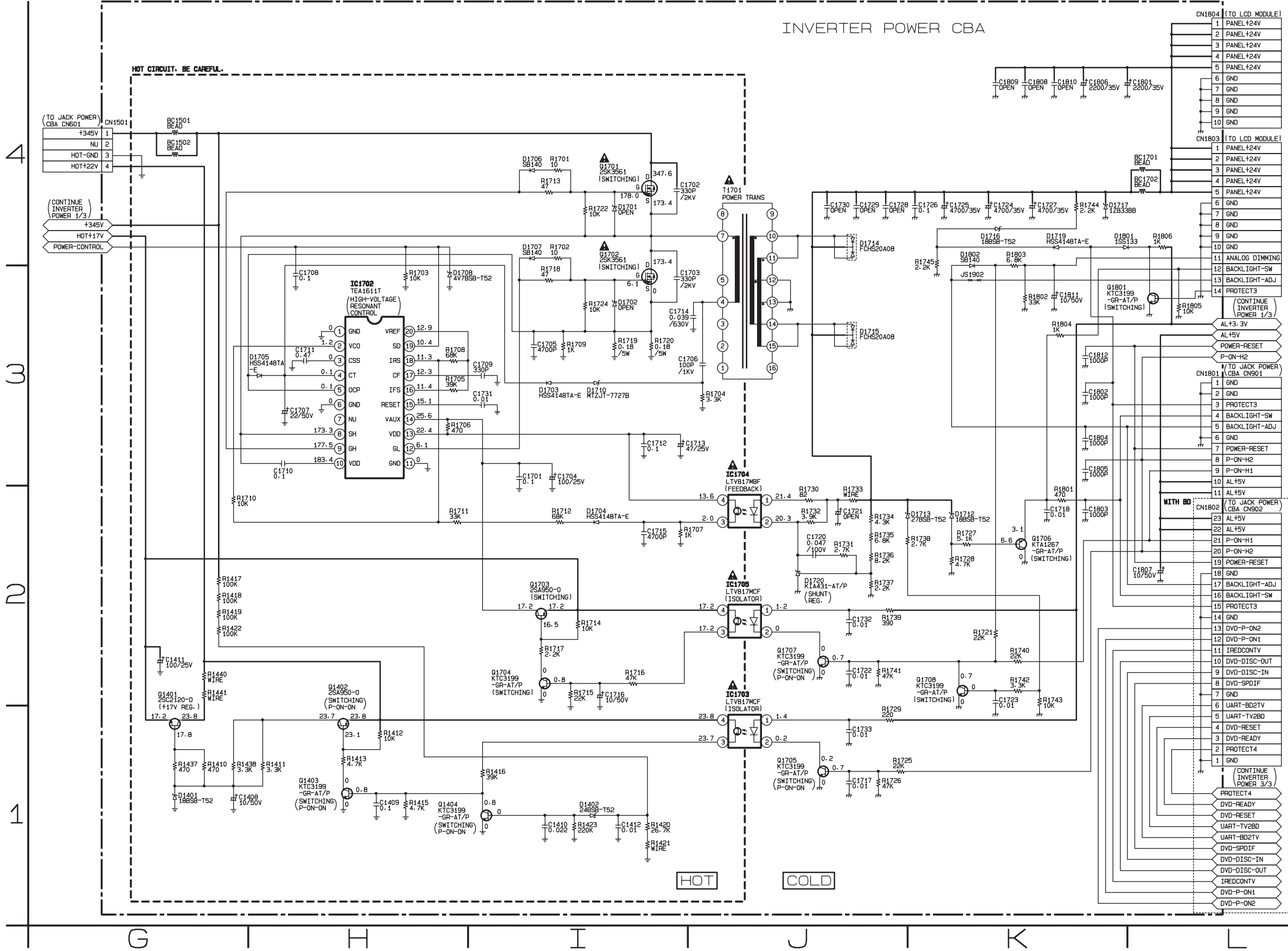
NOTE:

The voltage for parts in hot circuit is measured using hot GND as a common terminal.



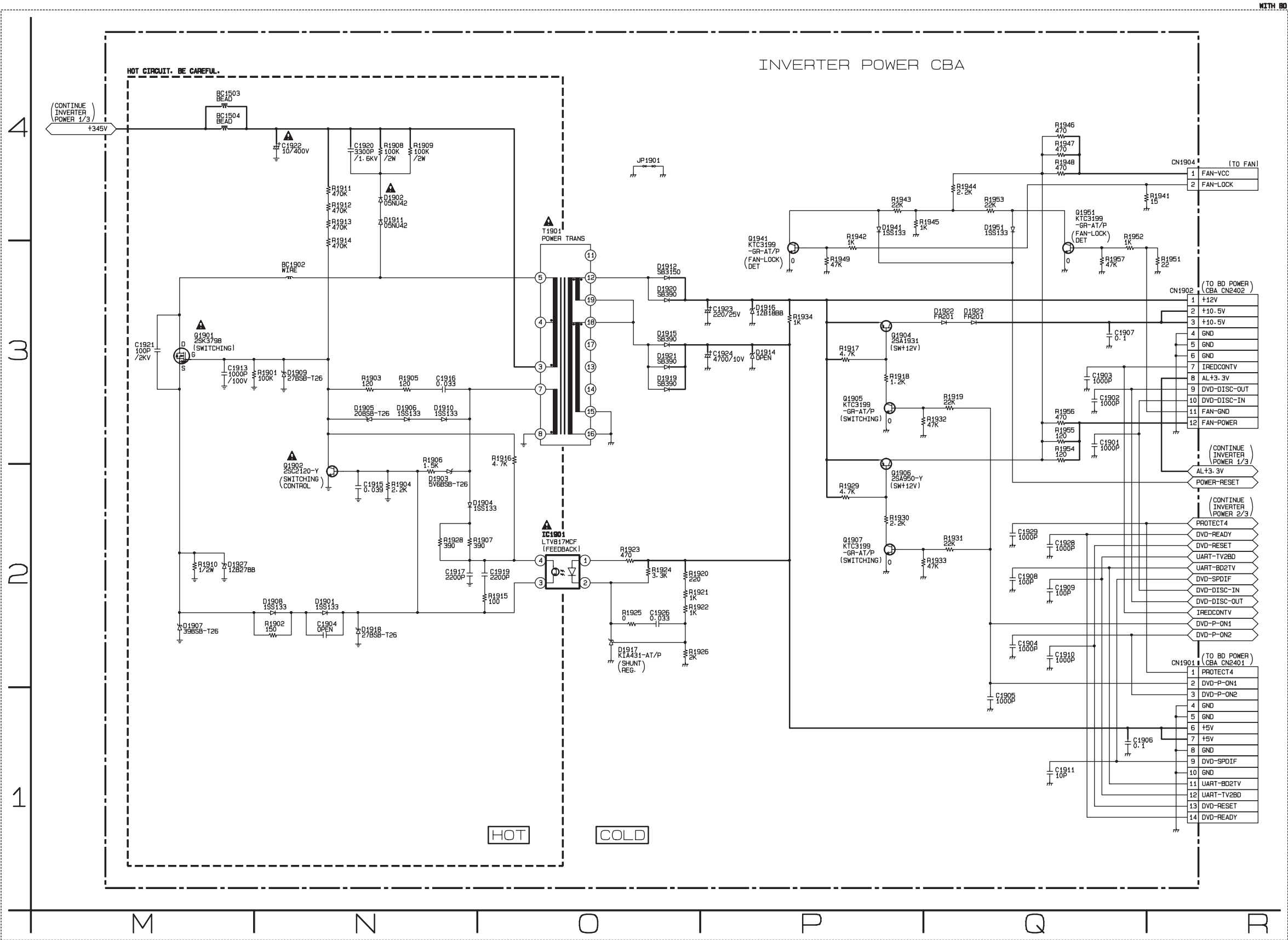
Inverter Power 2/3 Schematic Diagram [42PFL3704D/F7 (Serial No. : YA1A*****)]

NOTE:
The voltage for parts in hot circuit is measured using
hot GND as a common terminal.

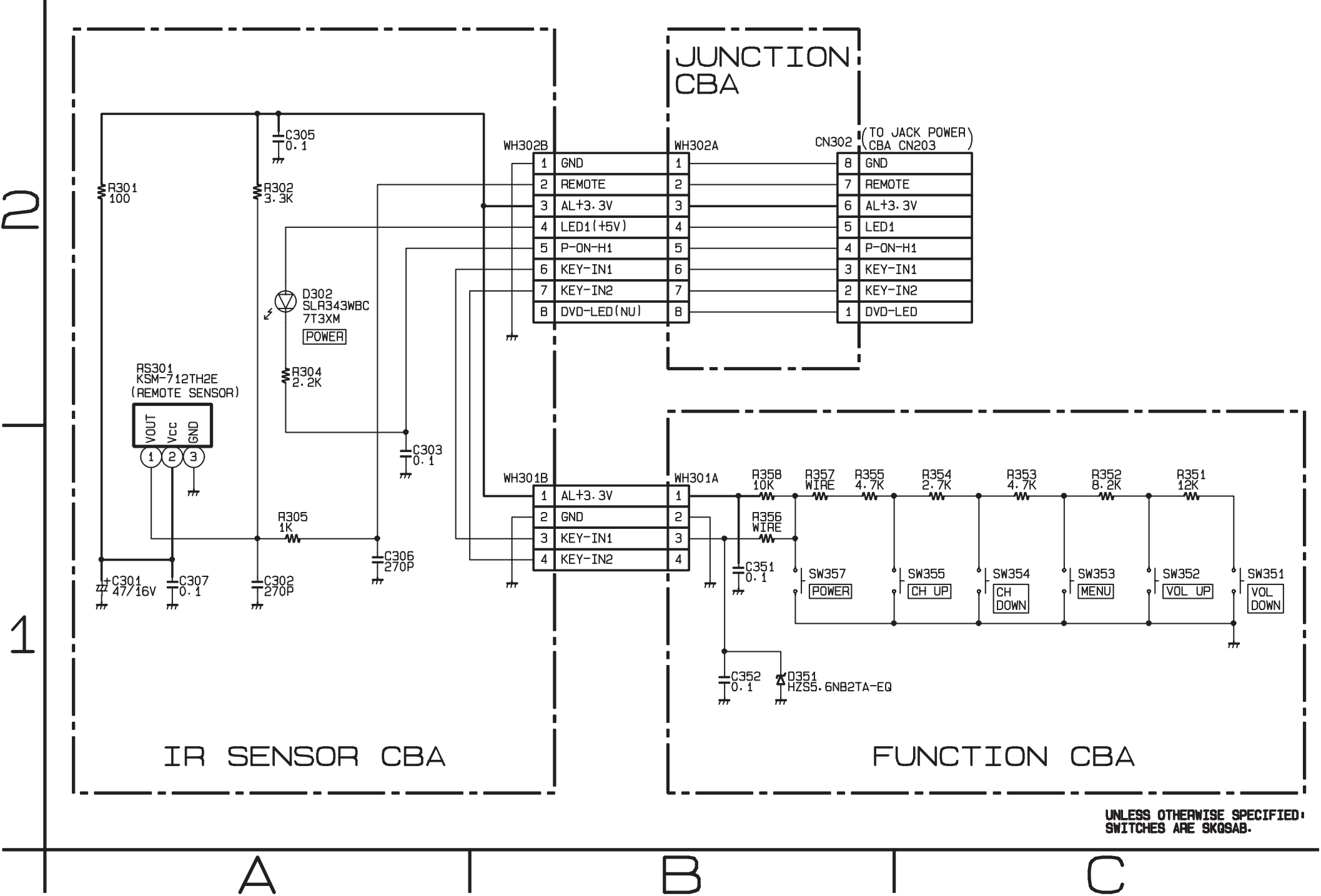


Inverter Power 3/3 Schematic Diagram [42PFL3704D/F7 (Serial No. : YA1A*****)]

NOTE:
The voltage for parts in hot circuit is measured using
hot GND as a common terminal.

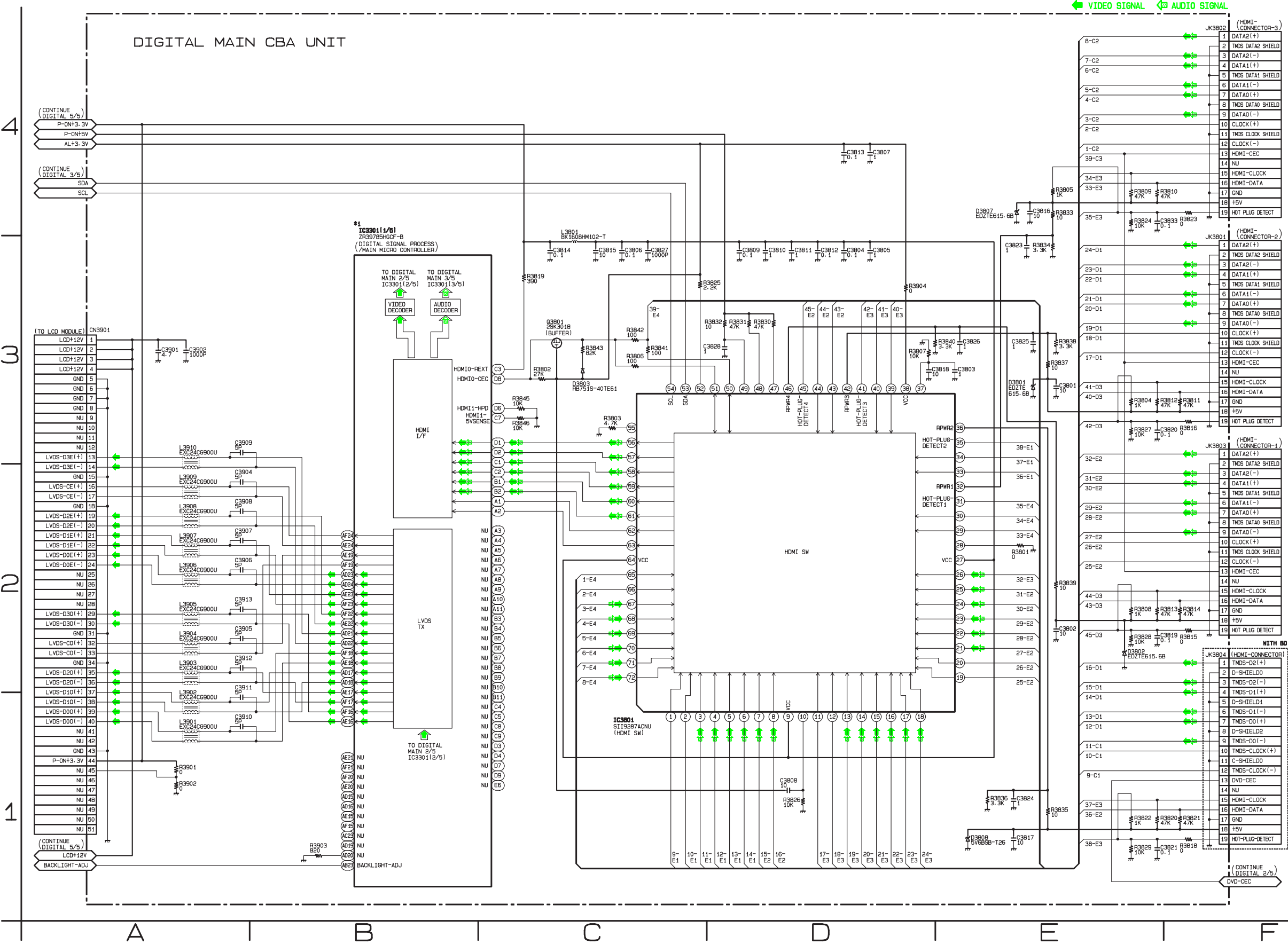


IR Sensor, Function & Junction Schematic Diagram



Digital Main 1/5 Schematic Diagram [42PFL3704D/F7 (Serial No. : DS1A*****, YA2A*****)]

*1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3301.
IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.

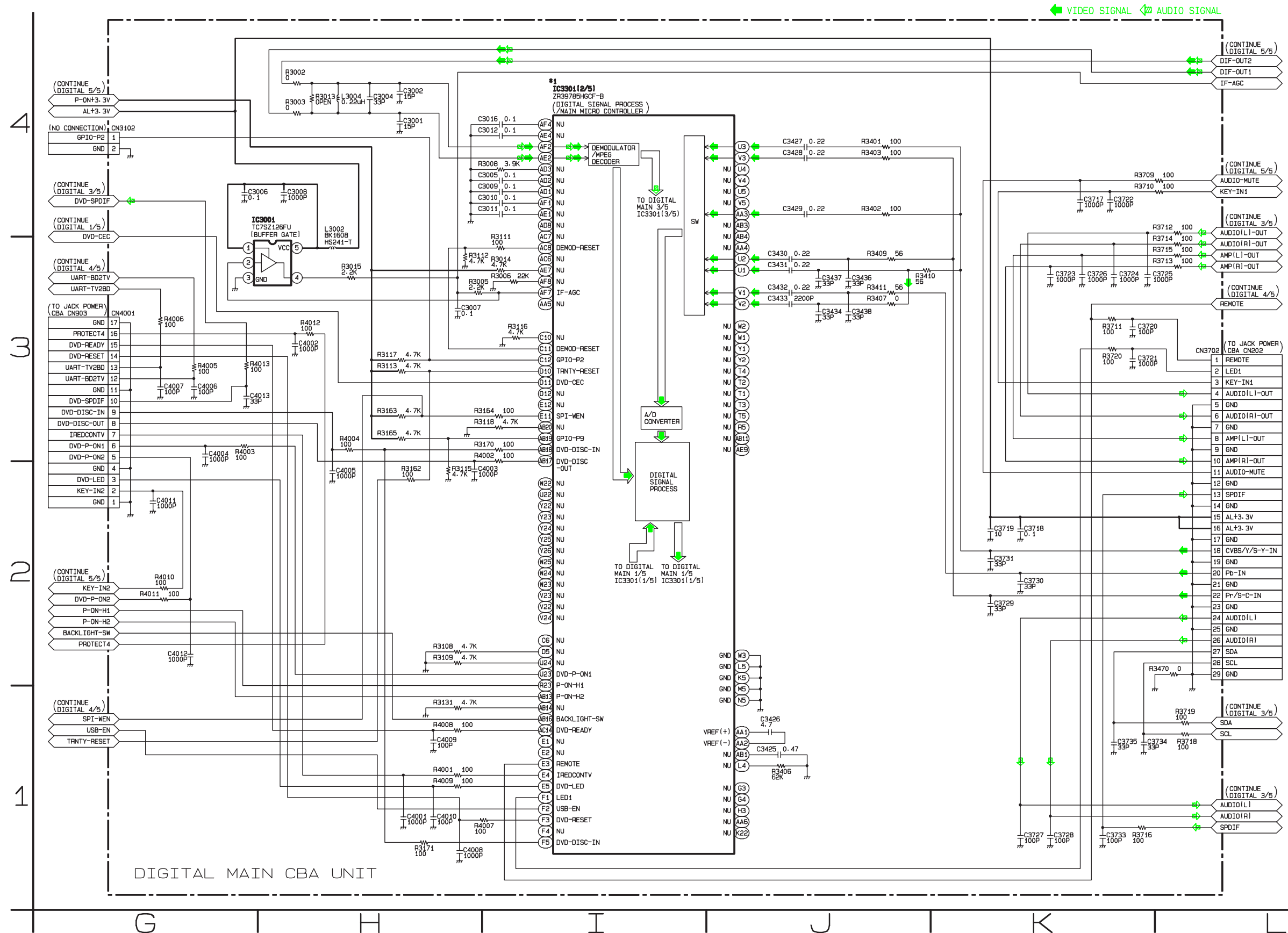


Digital Main 2/5 Schematic Diagram [42PFL3704D/F7 (Serial No. : DS1A*****, YA2A*****)]

***1 NOTE:**

The order of pins shown in this diagram is different from that of actual IC3301.

IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.

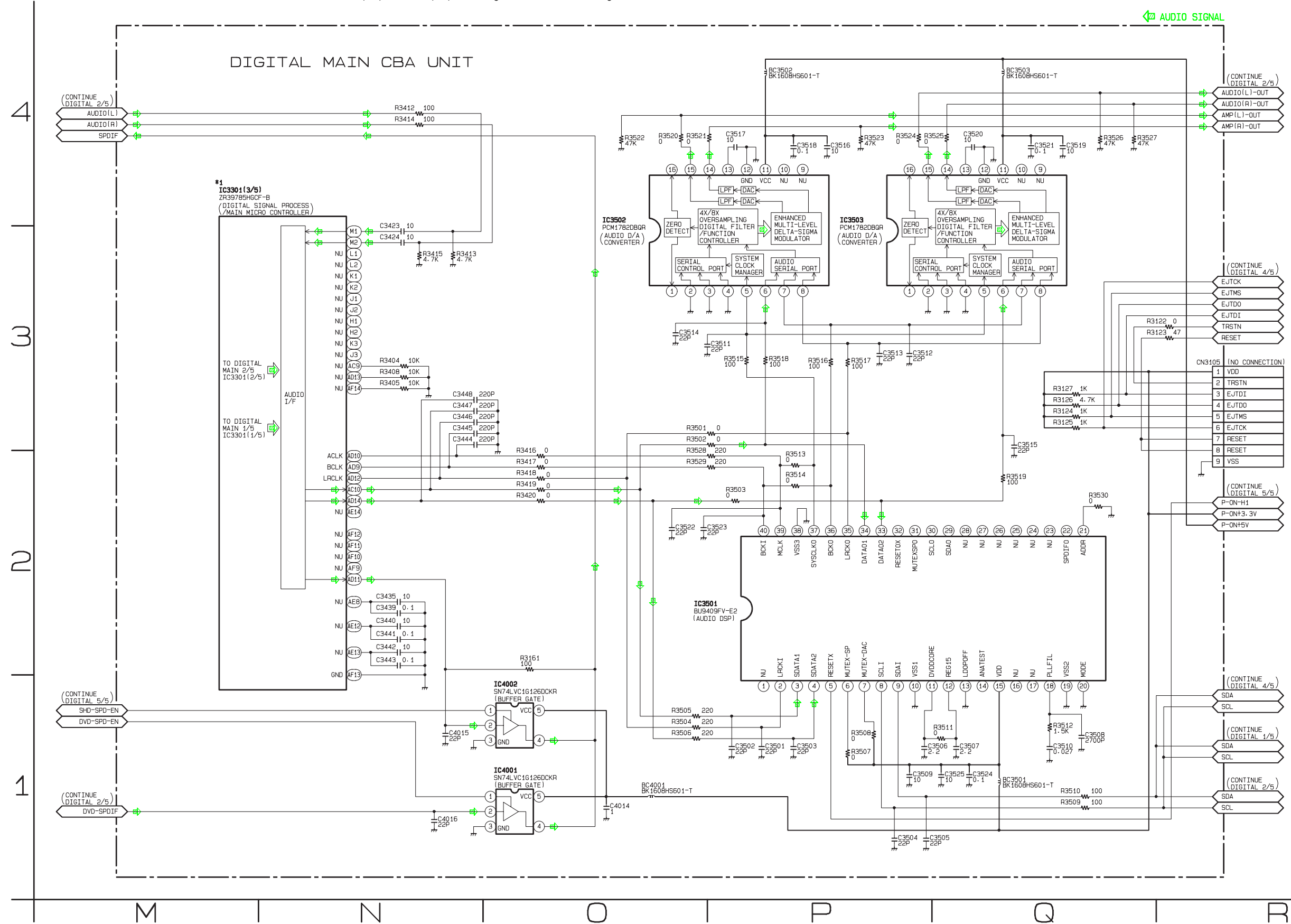


Digital Main 3/5 Schematic Diagram [42PFL3704D/F7 (Serial No. : DS1A*****, YA2A*****)]

***1 NOTE:**

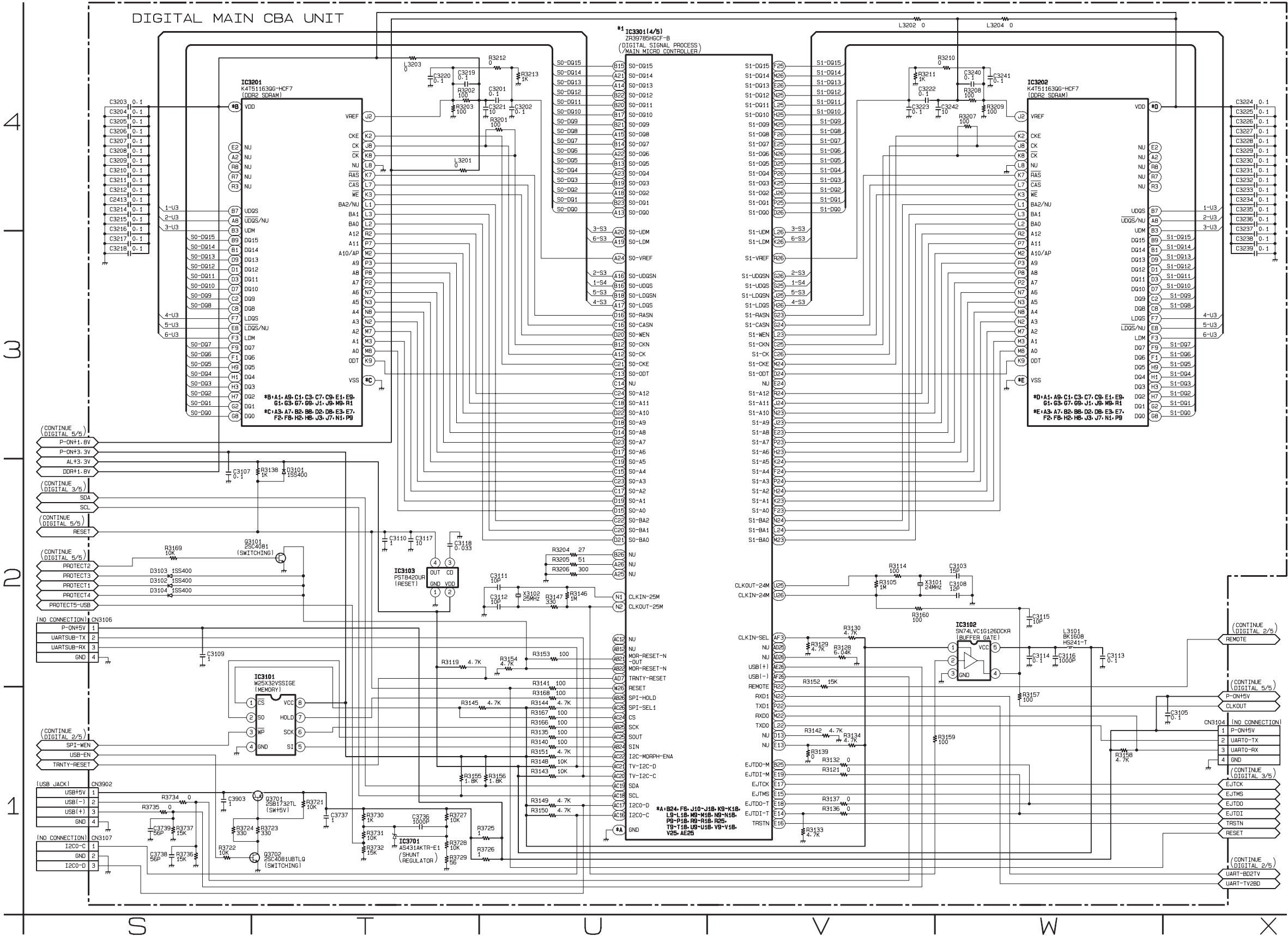
The order of pins shown in this diagram is different from that of actual IC3301.

IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.



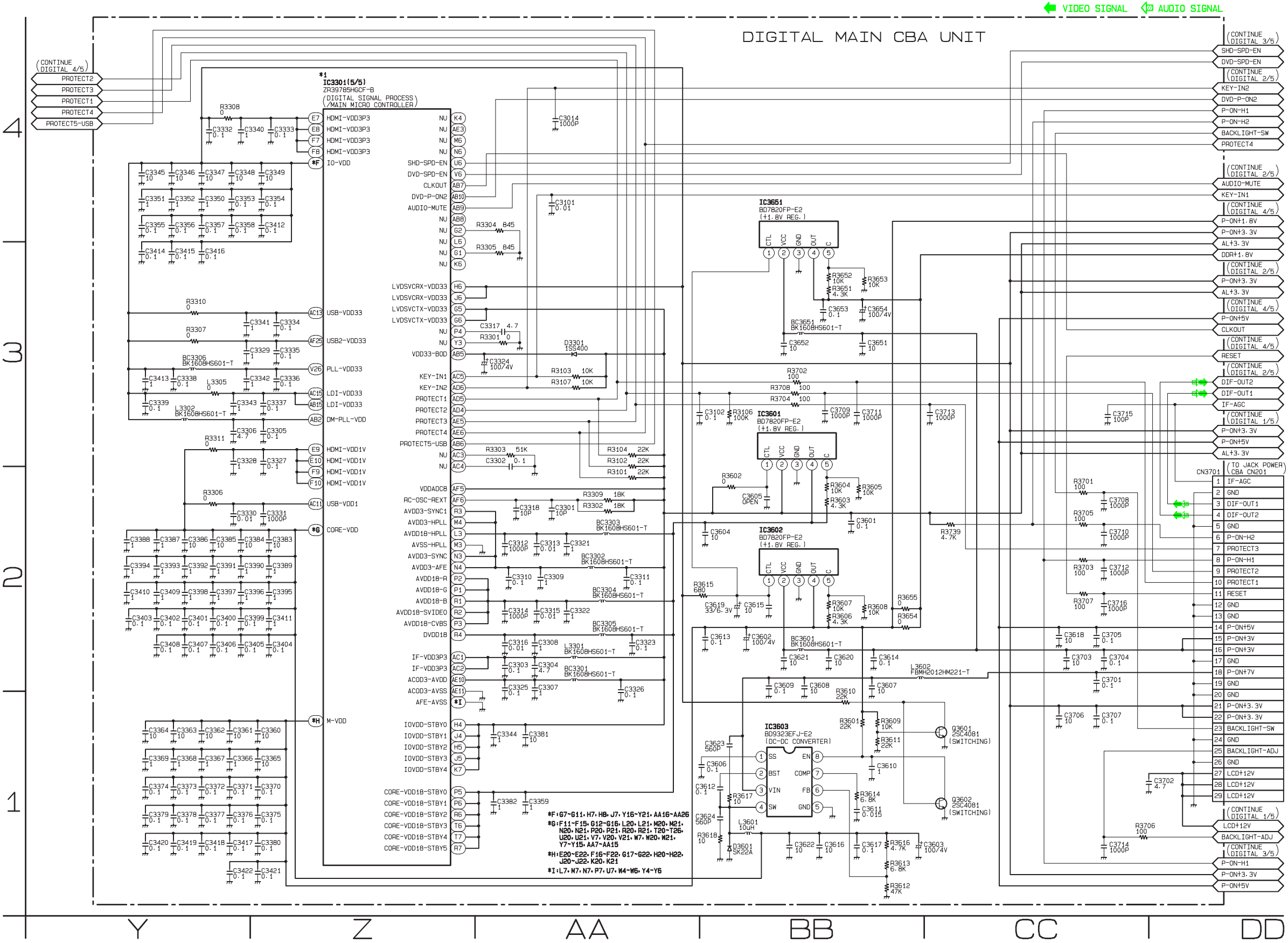
Digital Main 4/5 Schematic Diagram [42PFL3704D/F7 (Serial No. : DS1A***** , YA2A*****)]

*1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3301.
IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.



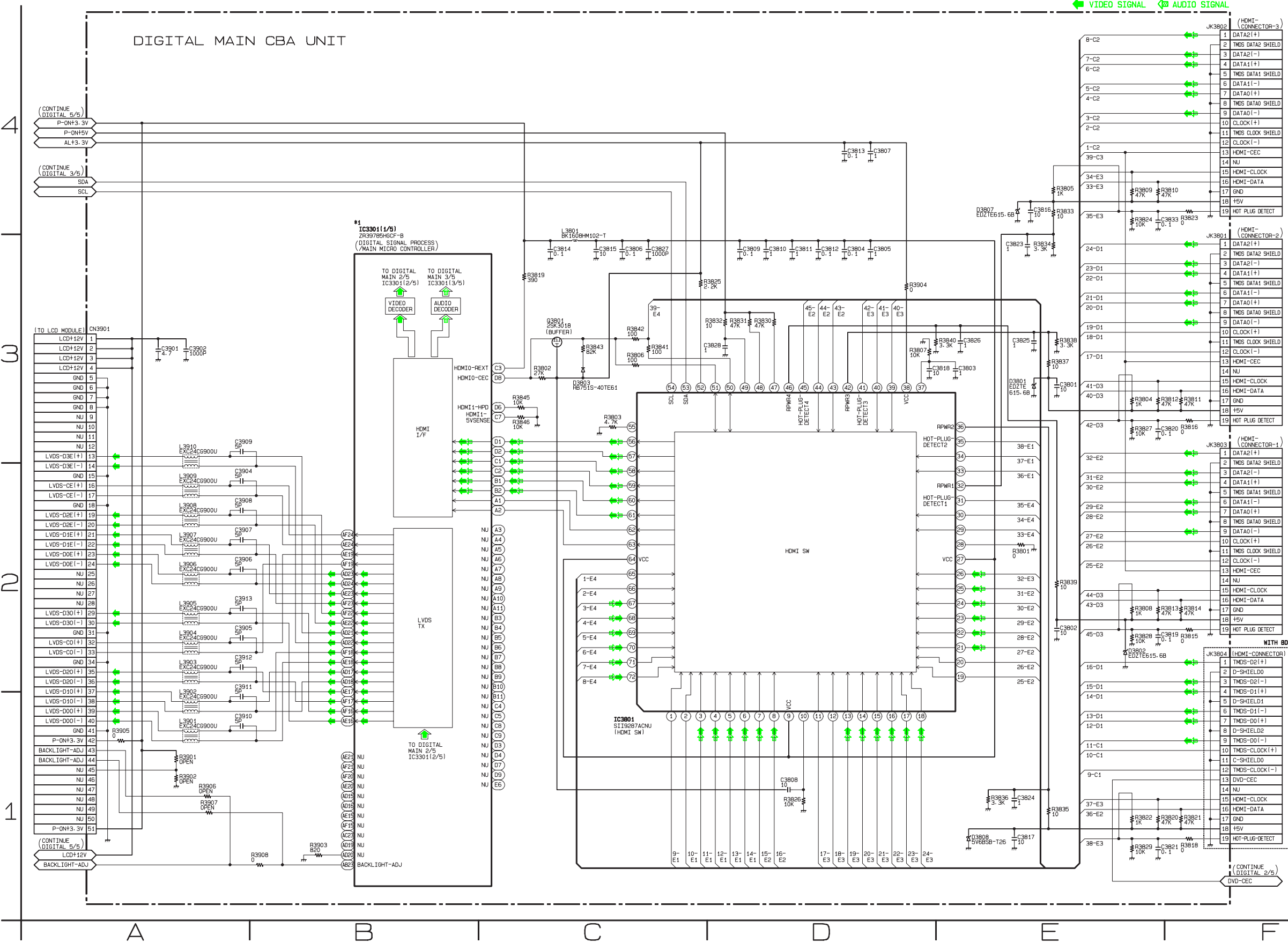
Digital Main 5/5 Schematic Diagram [42PFL3704D/F7 (Serial No. : DS1A***** ,YA2A*****)]

*1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3301.
IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.



Digital Main 1/5 Schematic Diagram [42PFL3704D/F7 (Serial No. : YA1A*****)]

*1 NOTE:
The order of pins shown in this diagram is different from that of actual IC3301.
IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.

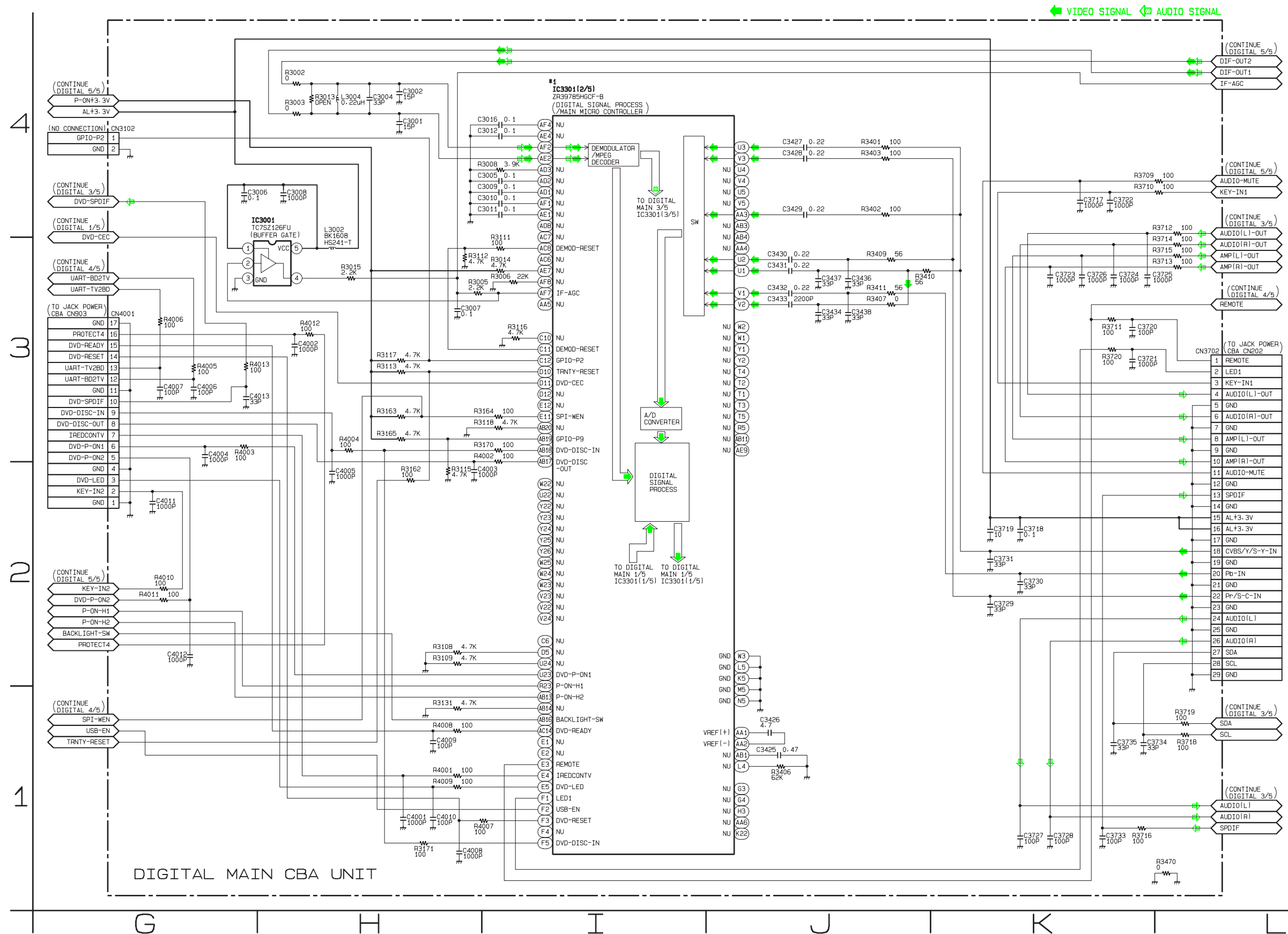


Digital Main 2/5 Schematic Diagram [42PFL3704D/F7 (Serial No. : YA1A*****)]

***1 NOTE:**

The order of pins shown in this diagram is different from that of actual IC3301.

IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.

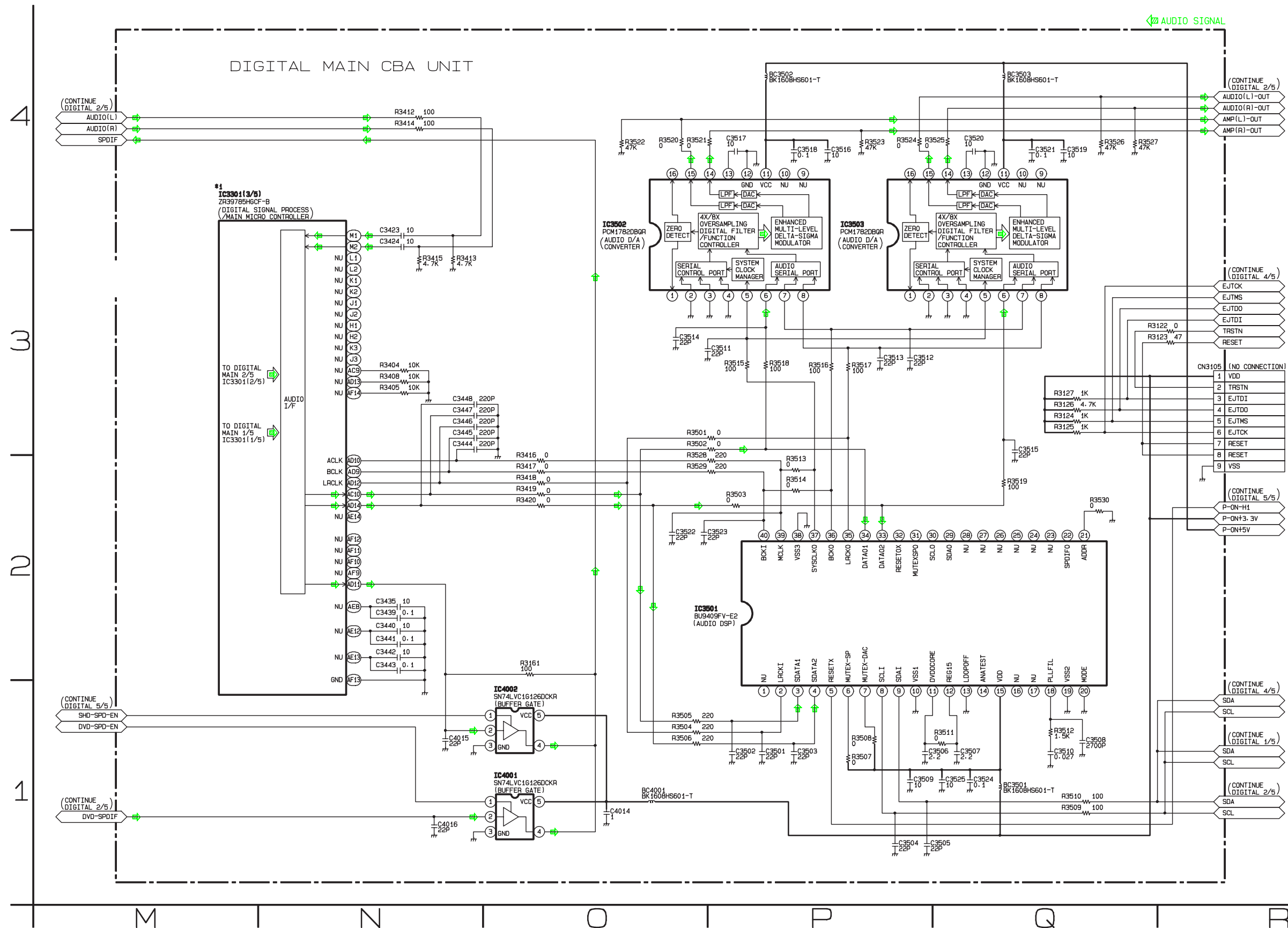


Digital Main 3/5 Schematic Diagram [42PFL3704D/F7 (Serial No. : YA1A*****)]

***1 NOTE:**

The order of pins shown in this diagram is different from that of actual IC3301.

IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.

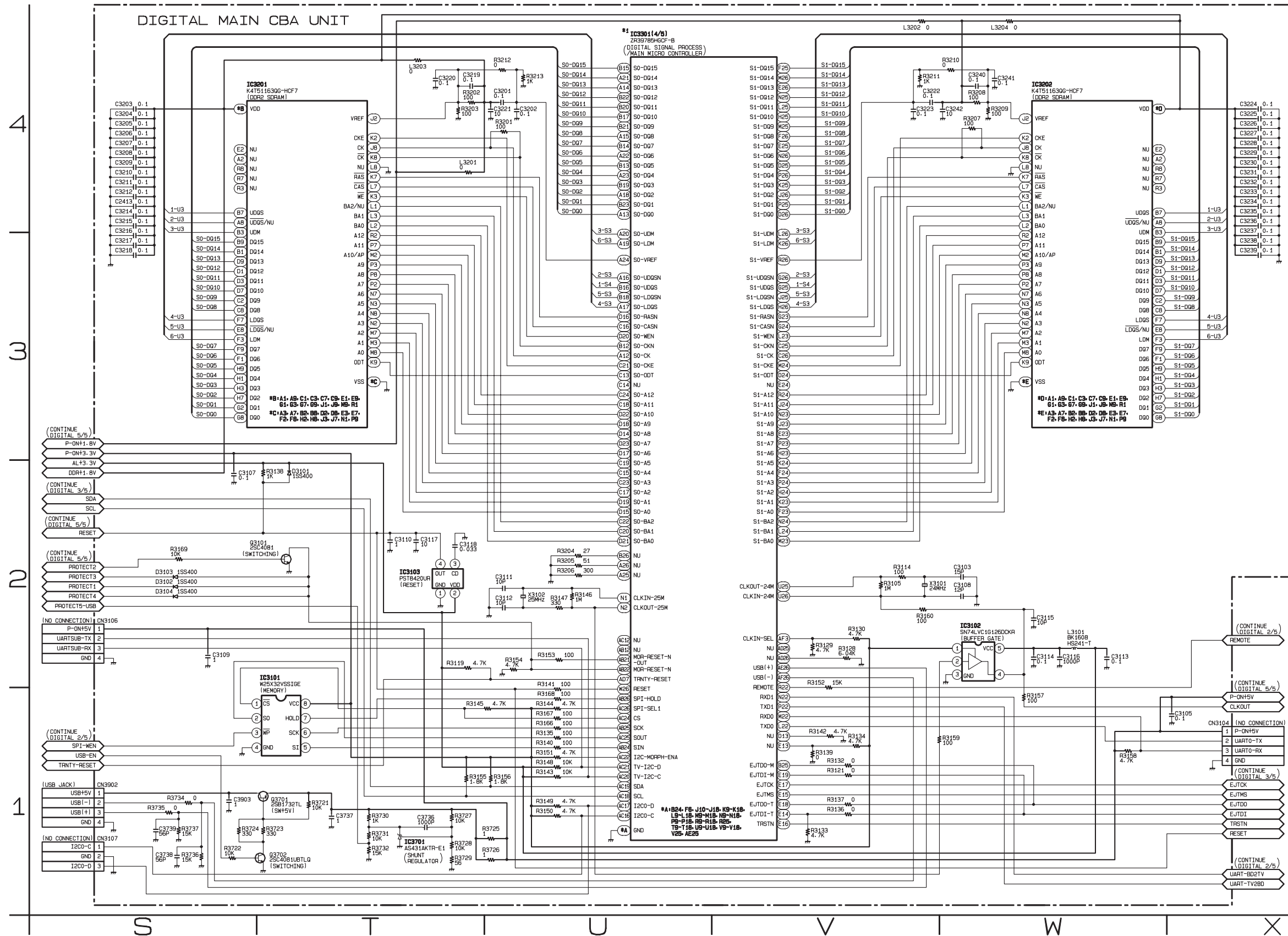


Digital Main 4/5 Schematic Diagram [42PFL3704D/F7 (Serial No. : YA1A*****)]

***1 NOTE:**

The order of pins shown in this diagram is different from that of actual IC3301.

IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.

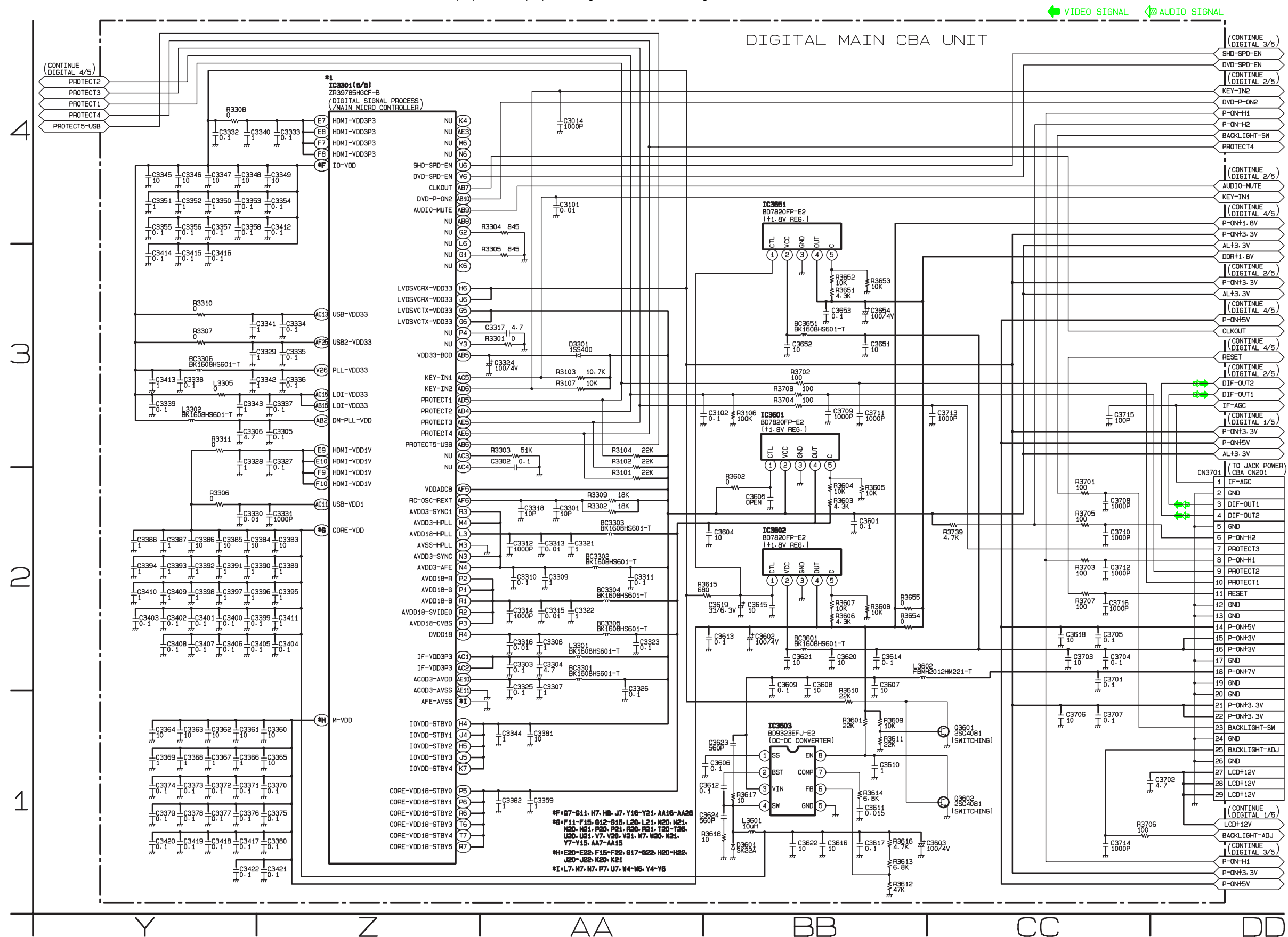


Digital Main 5/5 Schematic Diagram [42PFL3704D/F7 (Serial No. : YA1A*****)]

***1 NOTE:**

The order of pins shown in this diagram is different from that of actual IC3301.

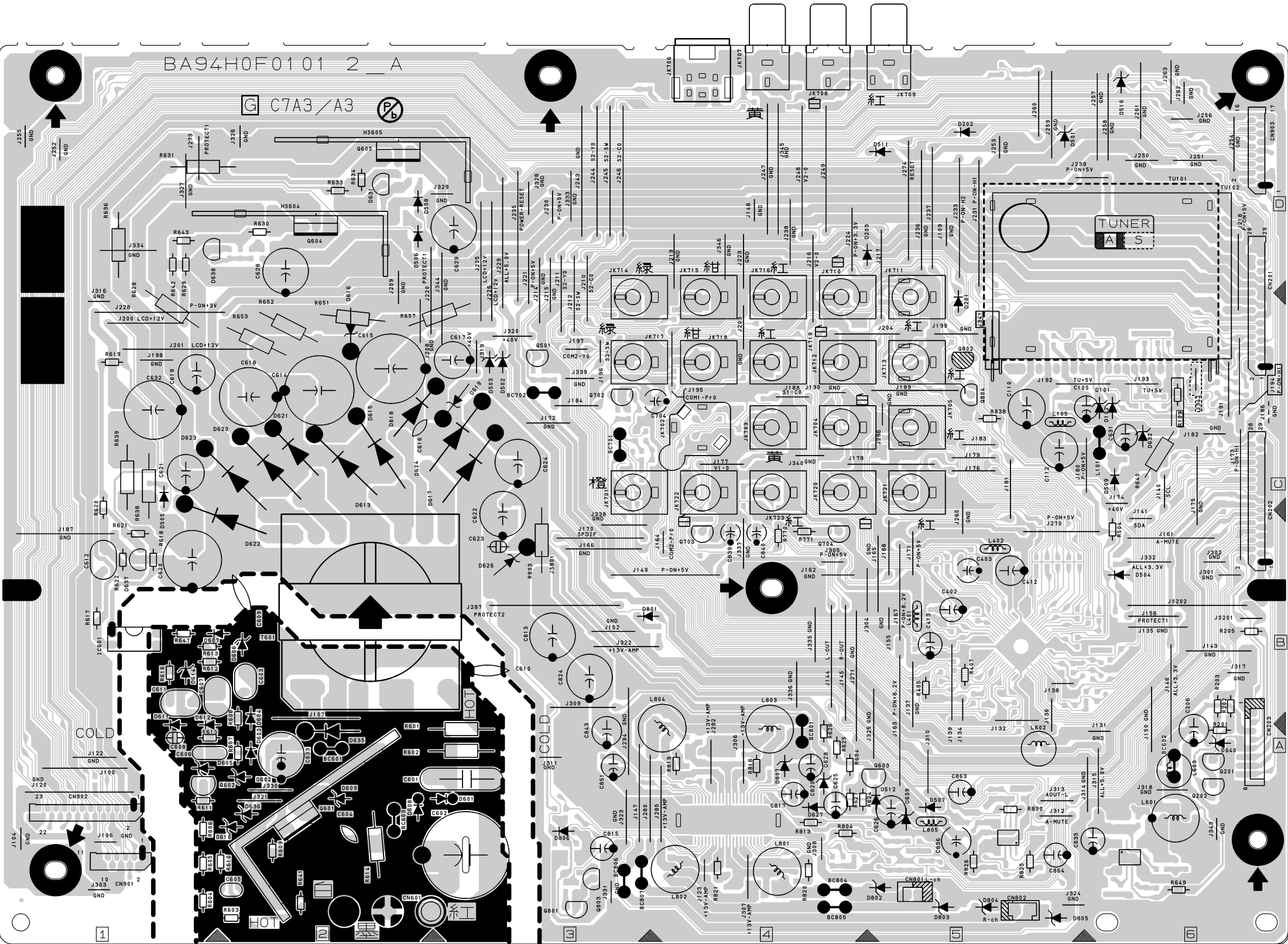
IC3301 is divided into five and shown as IC3301 (1/5) ~ IC3301 (5/5) in this Digital Main Schematic Diagram Section.



Jack Power CBA Top View

Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

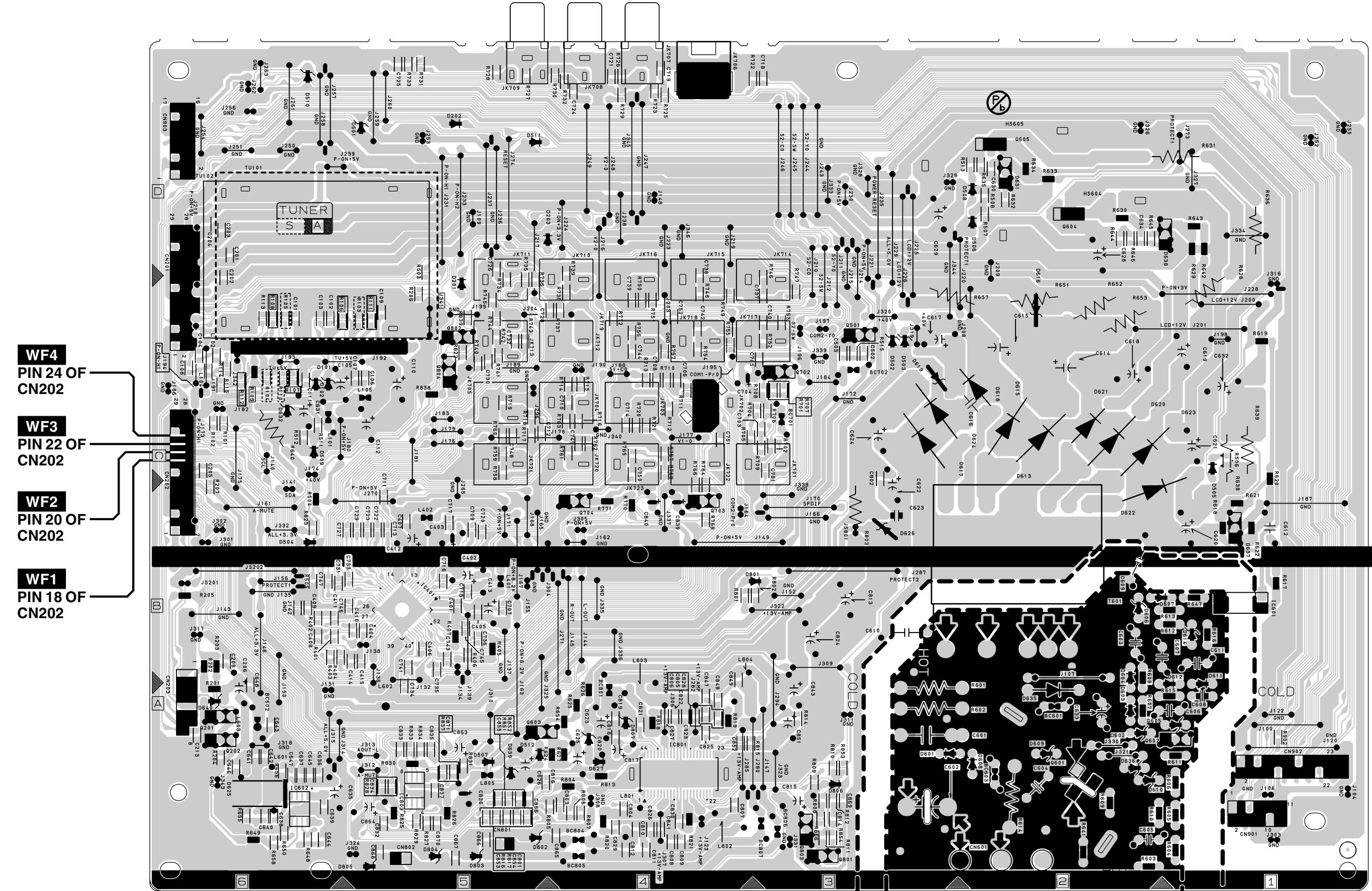
NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



Jack Power CBA Bottom View

Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

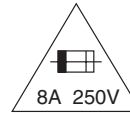
NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



Inverter Power CBA Top View [42PFL3704D/F7 (Serial No. : DS1A***, YA2A*****)]**

CAUTION !

Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.



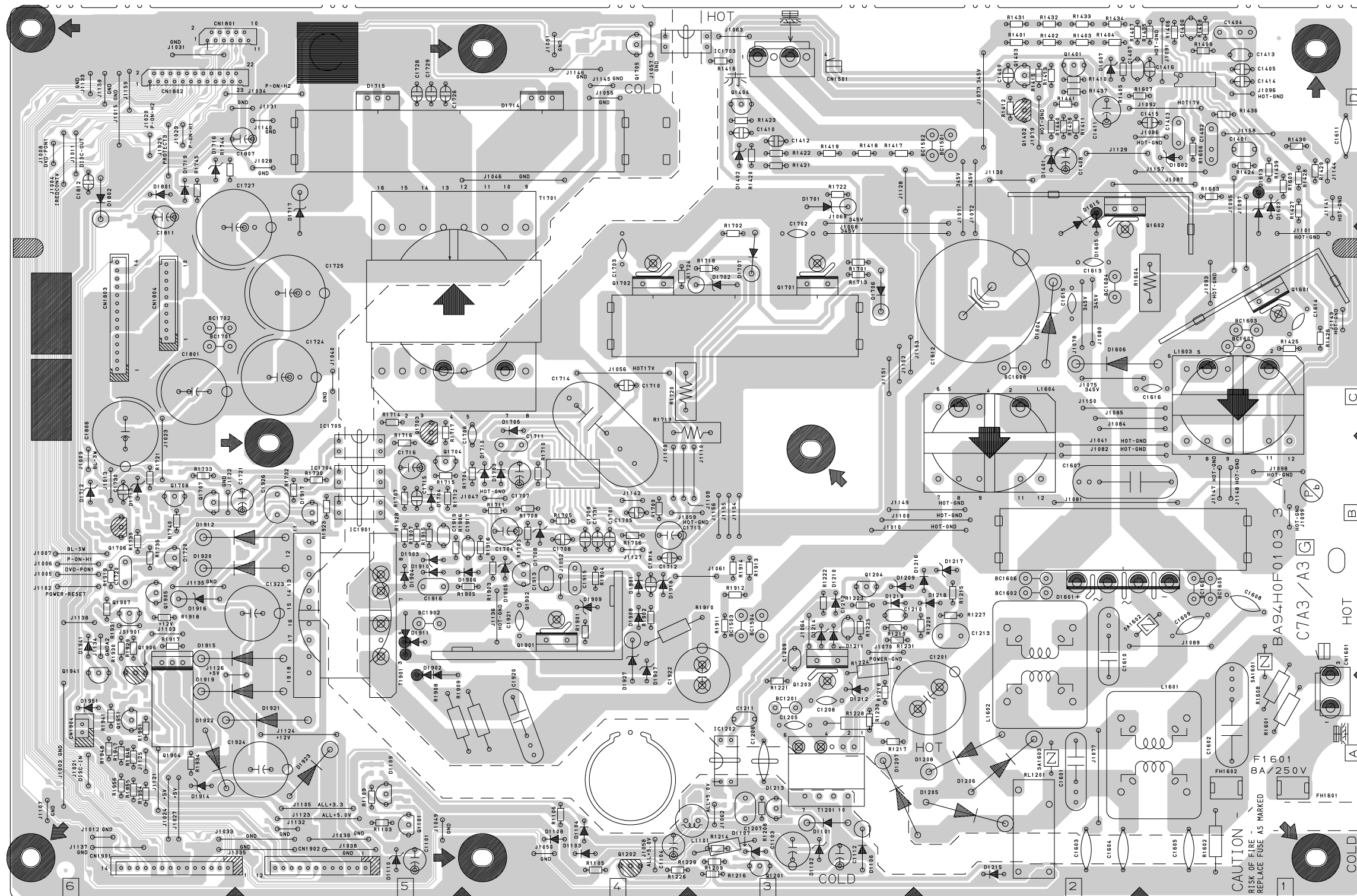
CAUTION ! : For continued protection against risk of fire, replace only with same type 8A, 250V fuse.

ATTENTION : Utiliser un fusible de rechange de même type de 8A, 250V.

Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

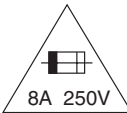
NOTE:

The voltage for parts in hot circuit is measured using hot GND as a common terminal.



Inverter Power CBA Bottom View [42PFL3704D/F7 (Serial No. : DS1A***** , YA2A*****)]

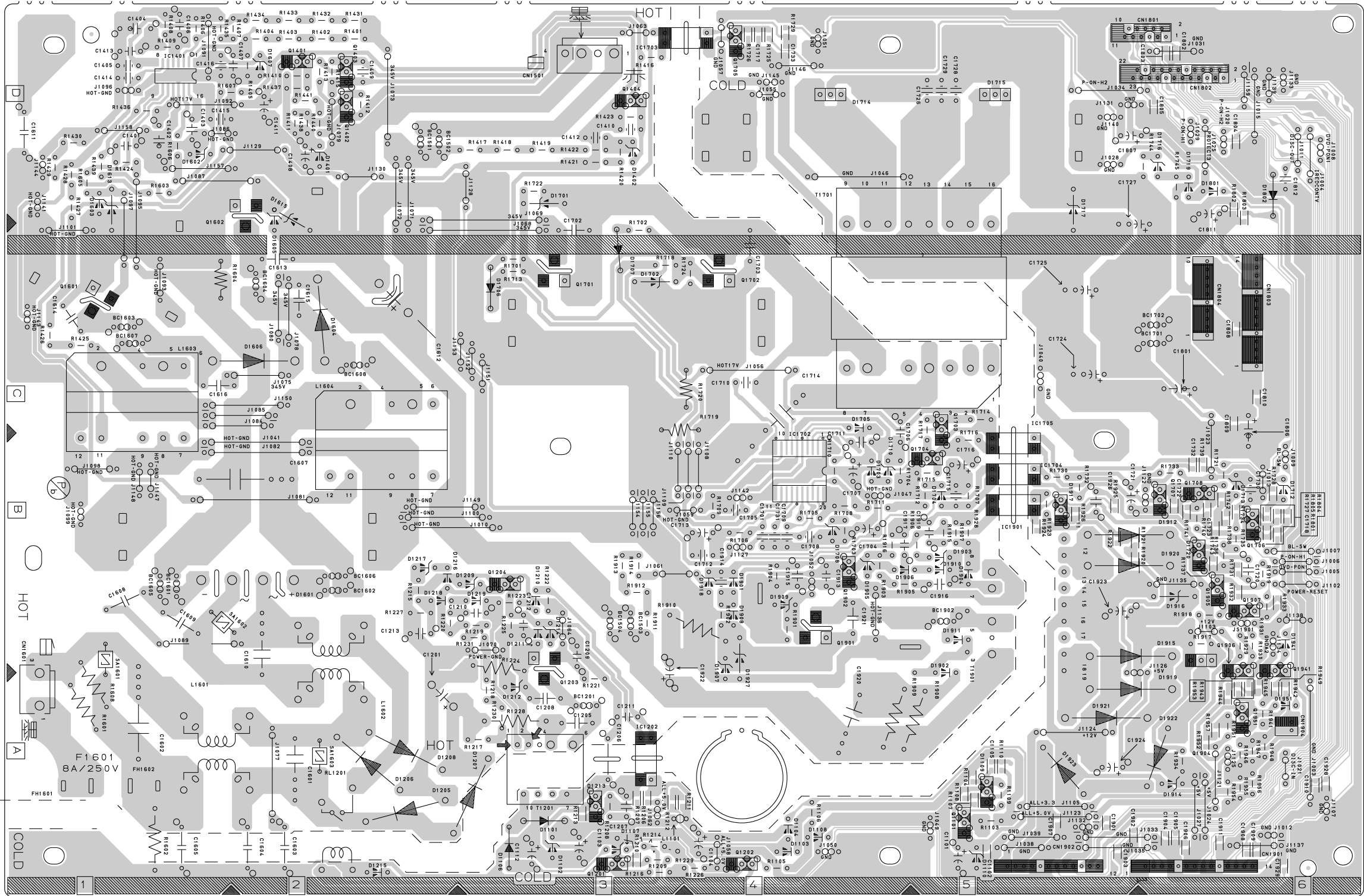
CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.



CAUTION ! : For continued protection against risk of fire,
replace only with same type 8A, 250V fuse.
ATTENTION : Utiliser un fusible de rechange de même type de 8A, 250V.

Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing.
Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

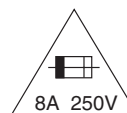
NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



Inverter Power CBA Top View [42PFL3704D/F7 (Serial No. : YA1A*****)]

CAUTION !

Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit. If Main Fuse (F1601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.



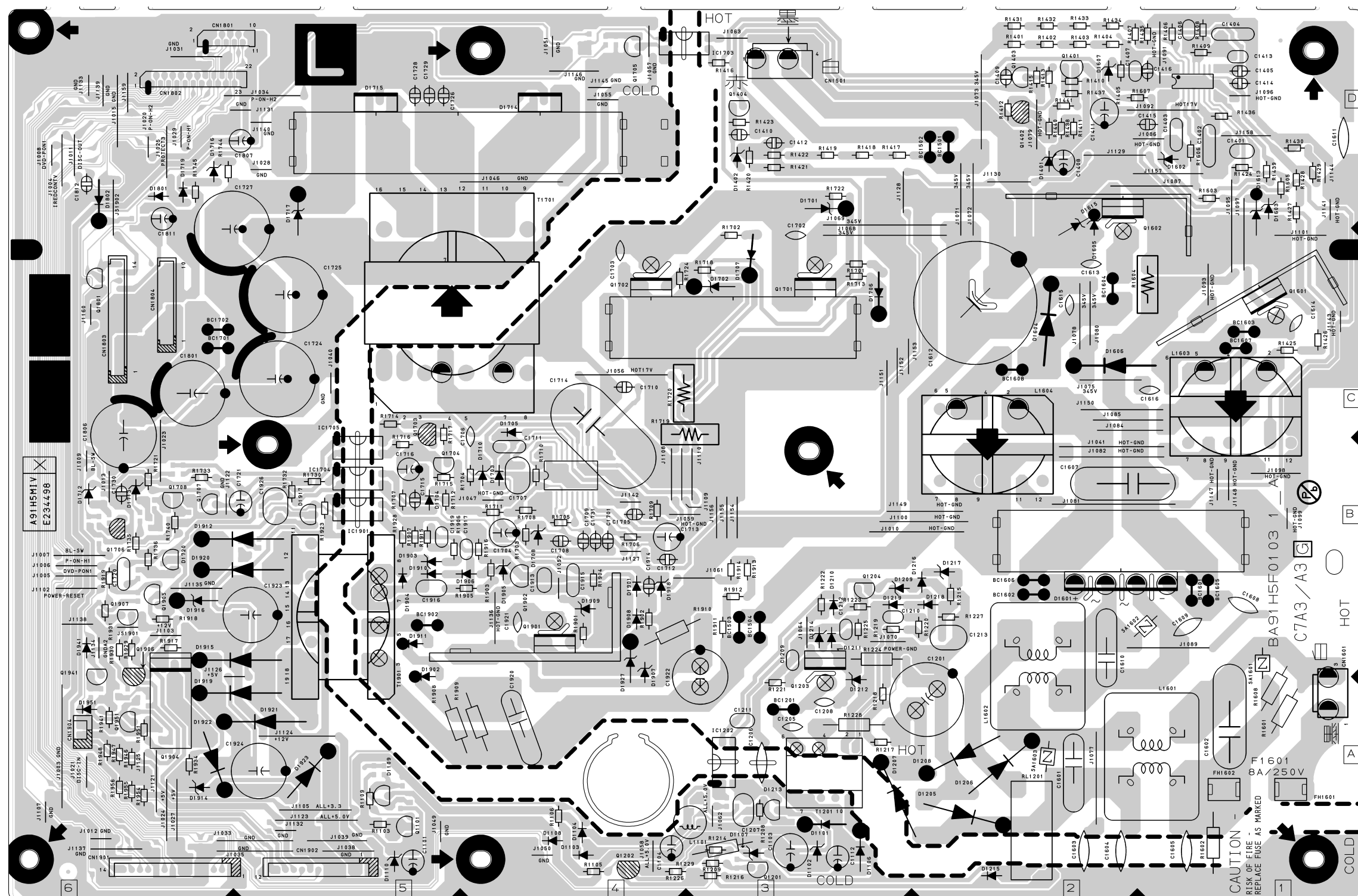
CAUTION ! : For continued protection against risk of fire, replace only with same type 8A, 250V fuse.

ATTENTION : Utiliser un fusible de rechange de même type de 8A, 250V.

Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing. Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

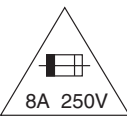
NOTE:

The voltage for parts in hot circuit is measured using hot GND as a common terminal.



Inverter Power CBA Bottom View [42PFL3704D/F7 (Serial No. : YA1A*****)]

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

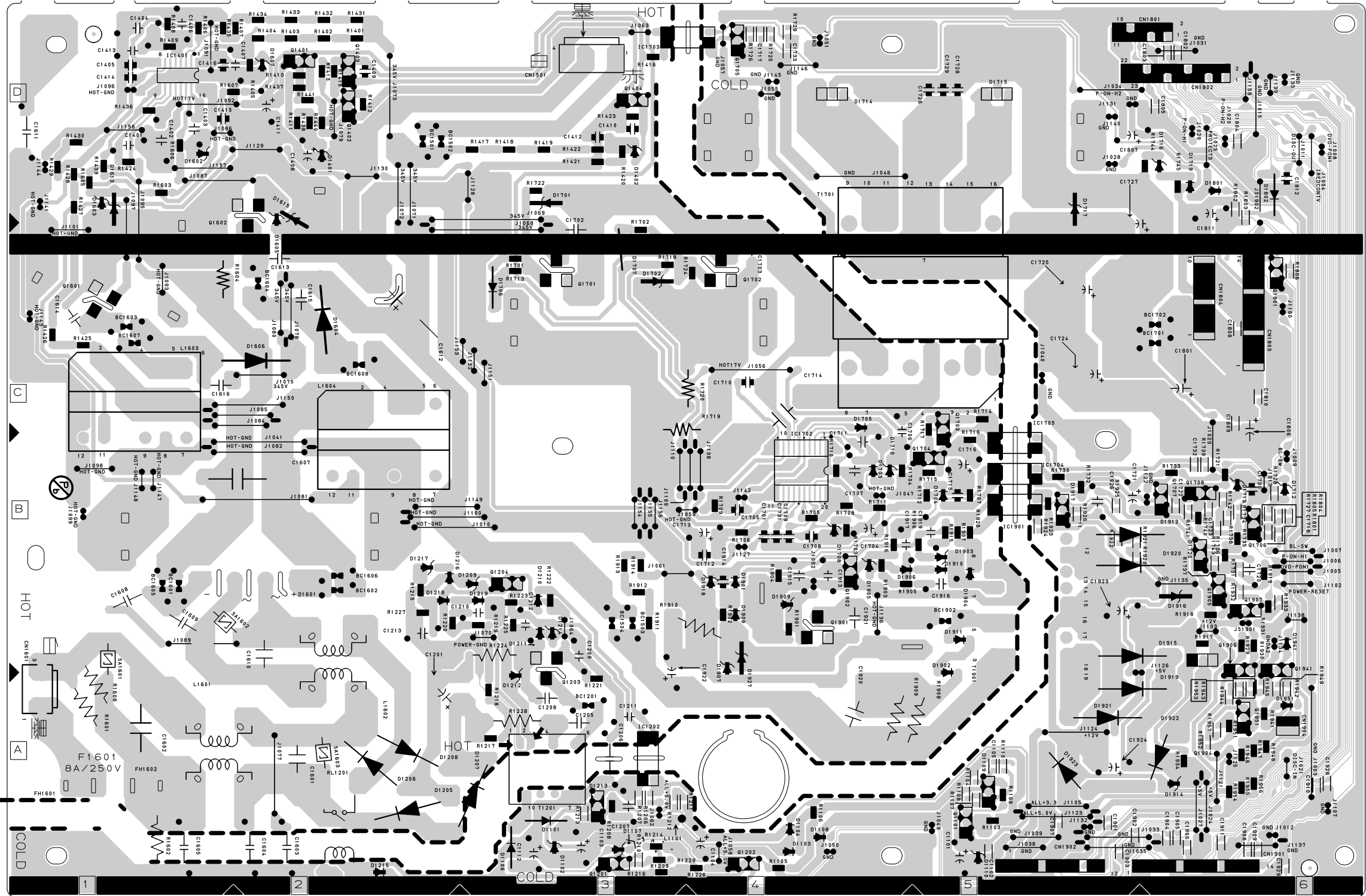


CAUTION ! : For continued protection against risk of fire,
replace only with same type 8A, 250V fuse.

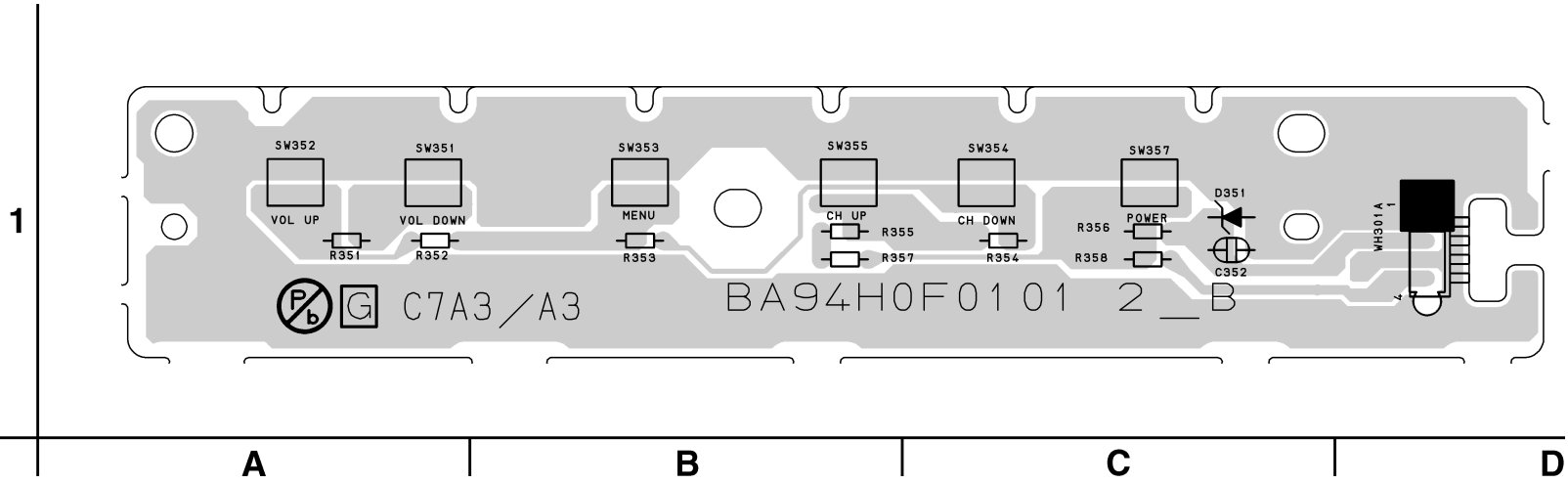
ATTENTION : Utiliser un fusible de rechange de même type de 8A, 250V.

Because a hot chassis ground is present in the power supply circuit, an isolation transformer must be used when repairing.
Also, in order to have the ability to increase the input slowly, when troubleshooting this type of power supply circuit, a variable isolation transformer is required.

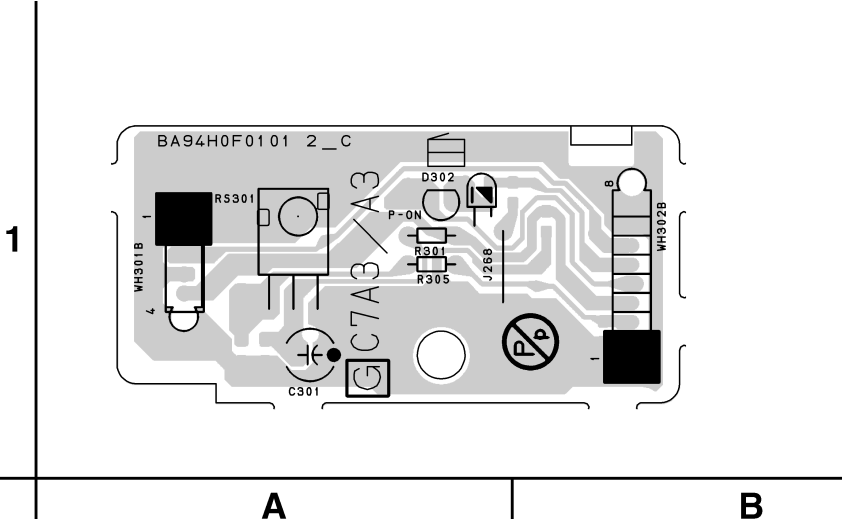
NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.



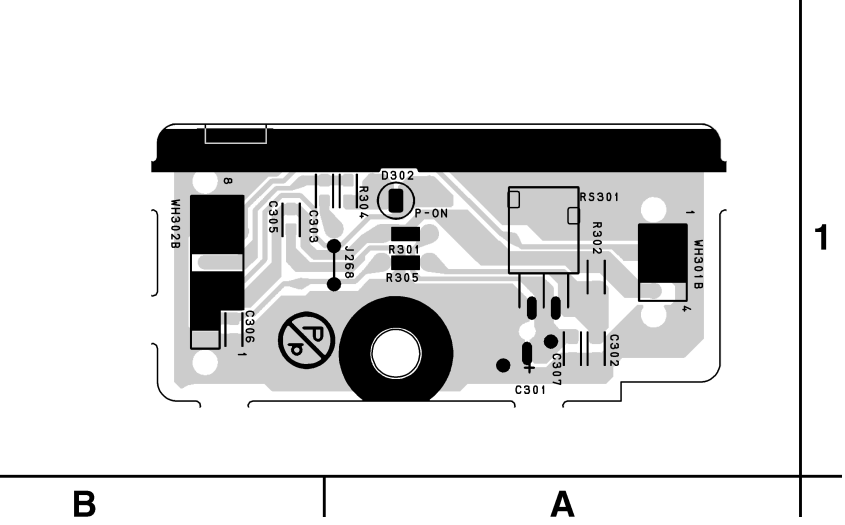
Function CBA Top View



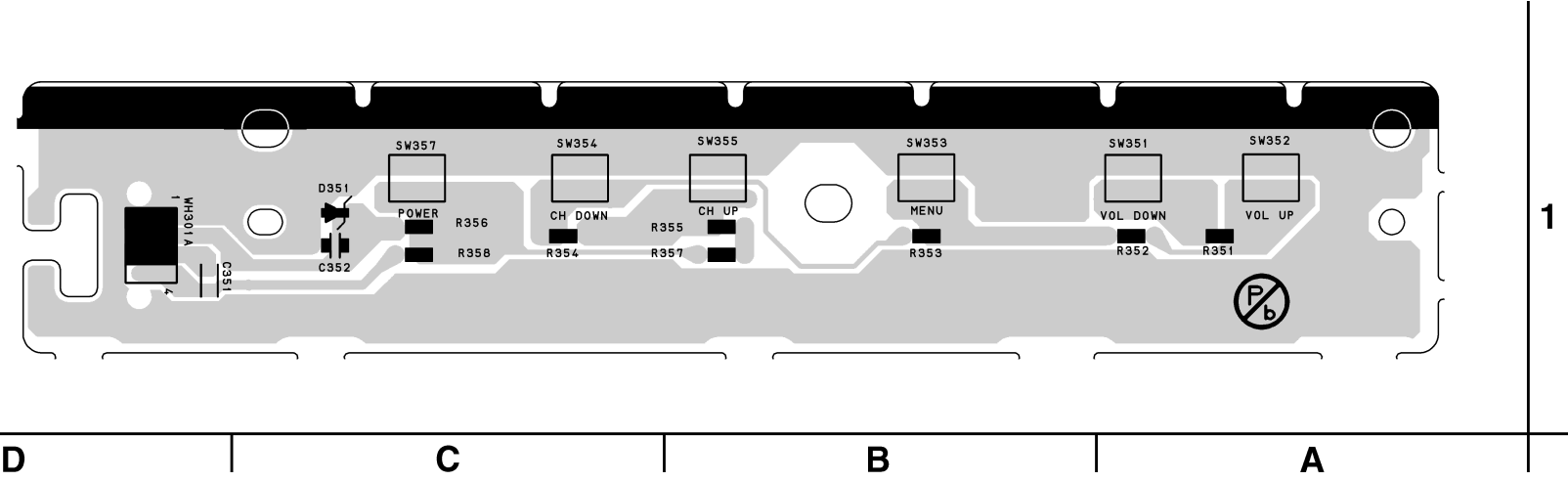
IR Sensor CBA Top View



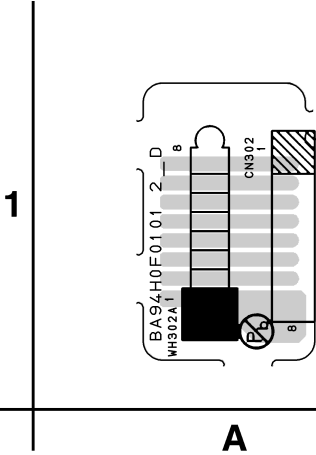
IR Sensor CBA Bottom View



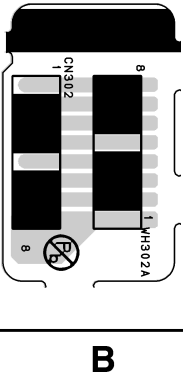
Function CBA Bottom View



Junction CBA Top View



Junction CBA Bottom View



BA94H0F01012-B

BA94H0F01012-D

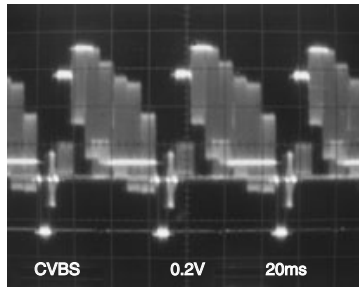
WAVEFORMS

WF1 ~ WF4 = Waveforms to be observed at
Waveform check points.
(Shown in Schematic Diagram.)

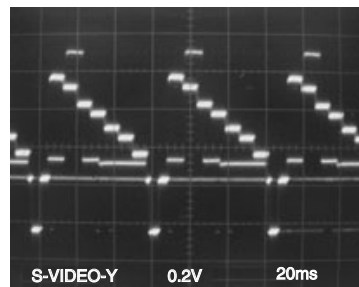
Input: NTSC Color Bar Signal (with 1kHz Audio Signal)

WF1 Pin 18 of CN202

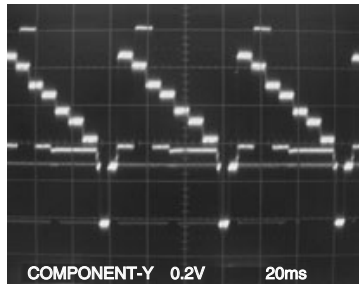
(VIDEO IN)



(S-VIDEO IN)

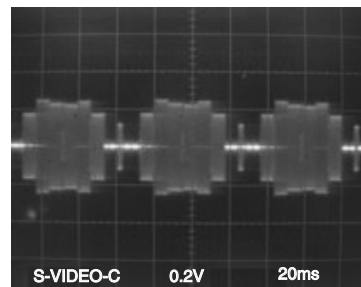


(COMPONENT IN)

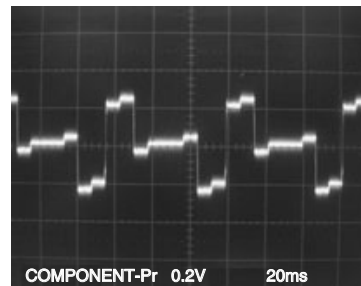


WF3 Pin 22 of CN202

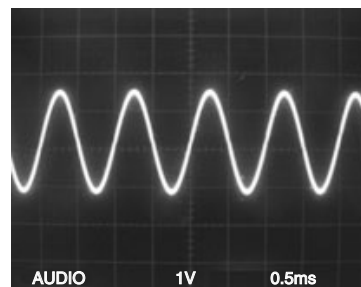
(S-VIDEO IN)



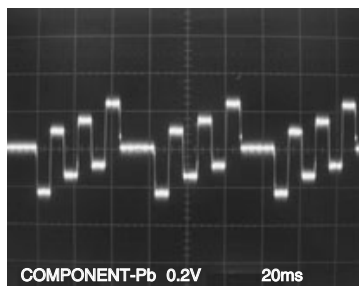
(COMPONENT IN)



WF4 Pin 24 of CN202

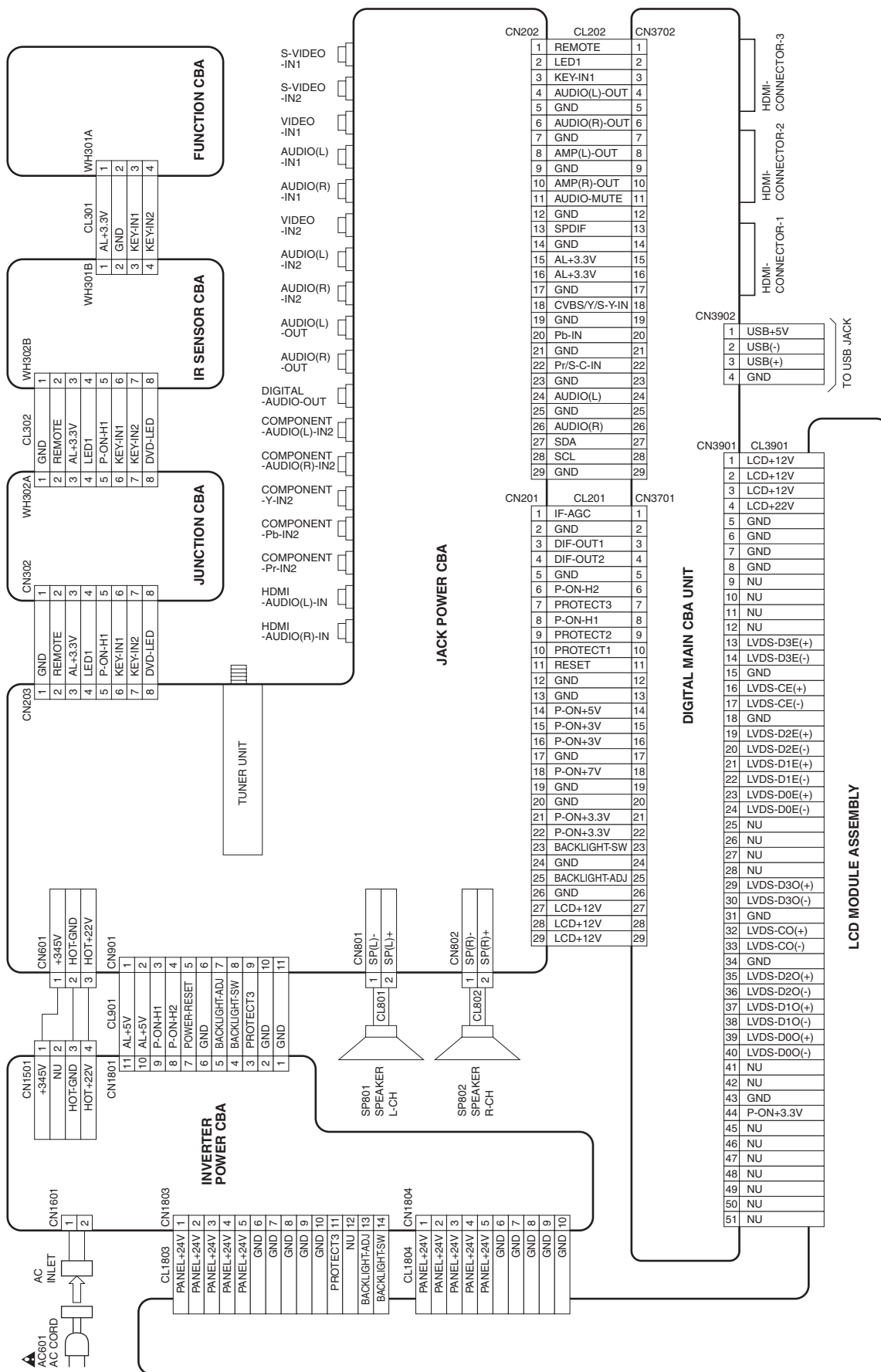


WF2 Pin 20 of CN202

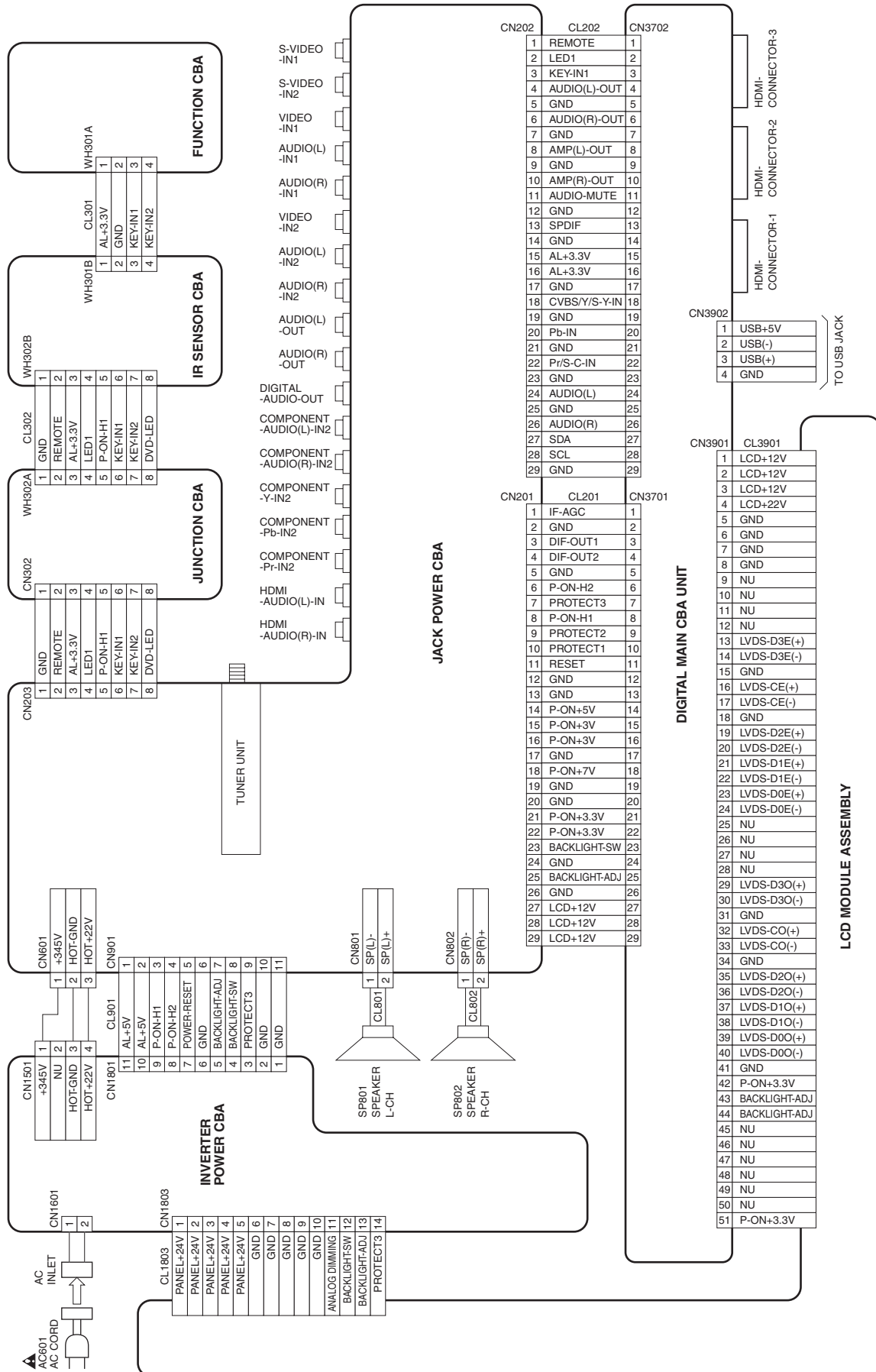


WIRING DIAGRAM

[42PFL3704D/F7 (Serial No. : DS1A*****, YA2A*****)]

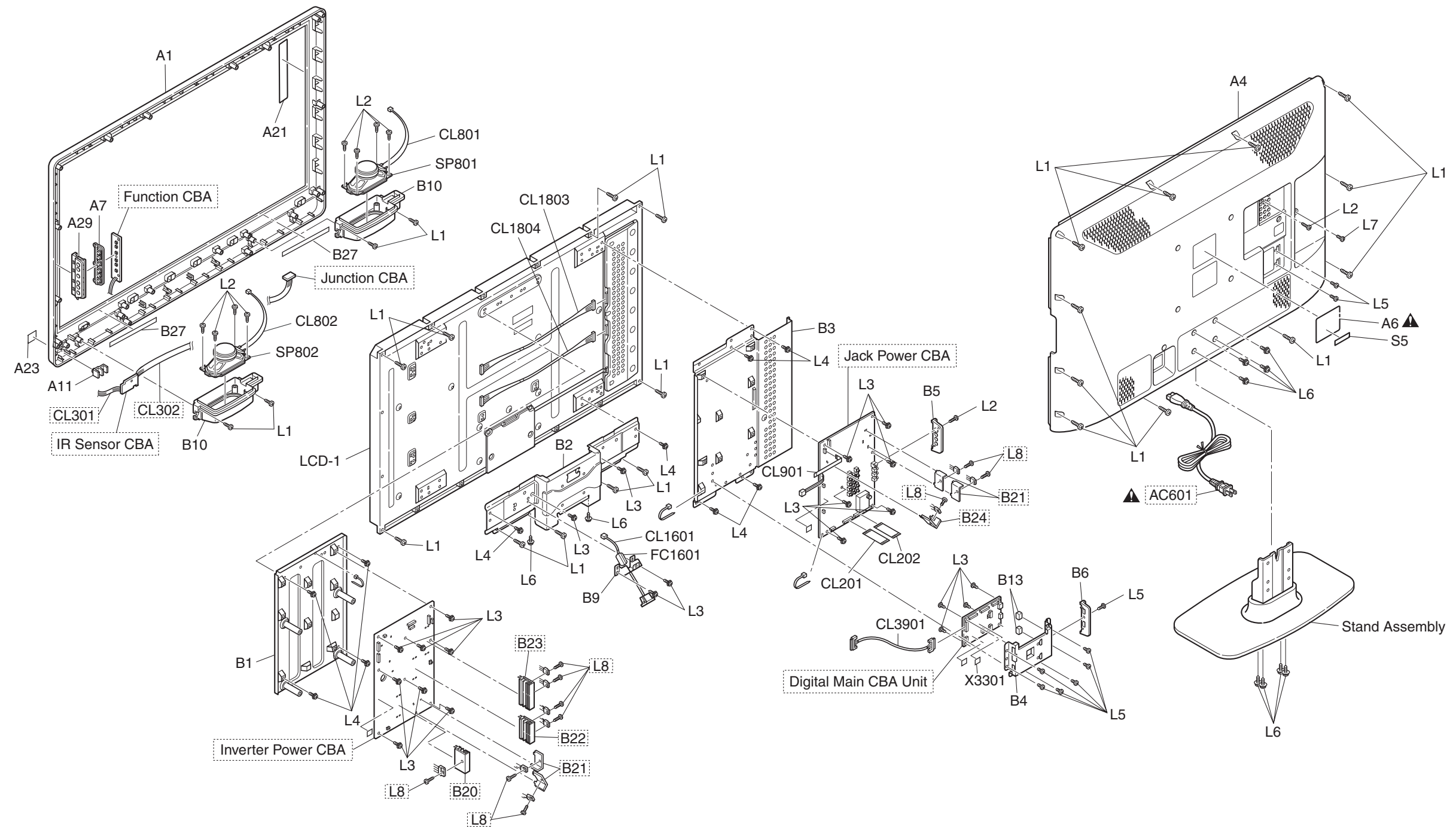


WIRING DIAGRAM [42PFL3704D/F7 (Serial No. : YA1A*****)]



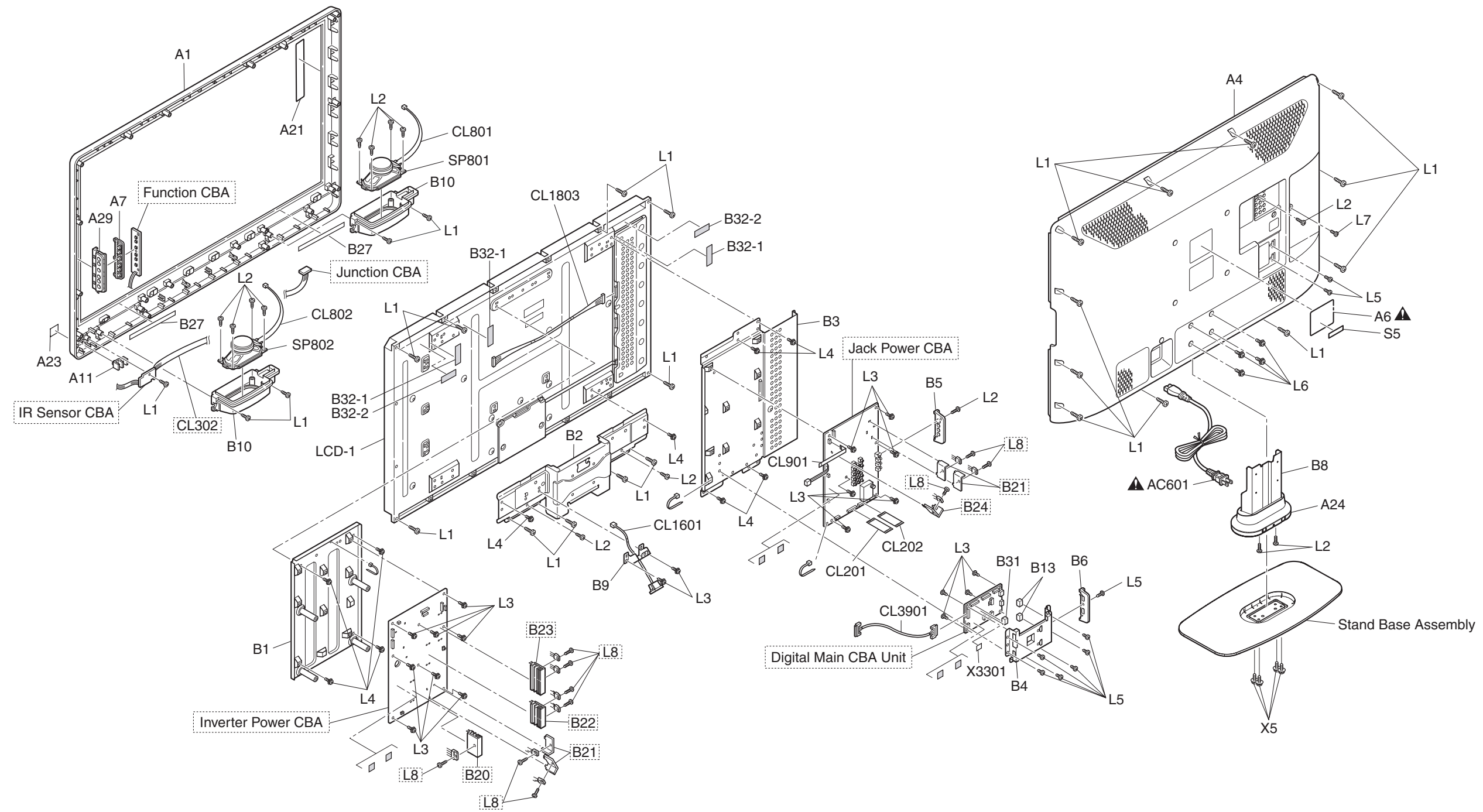
EXPLODED VIEWS

Cabinet [42PFL3704D/F7 (Serial No. : DS1A*****)]



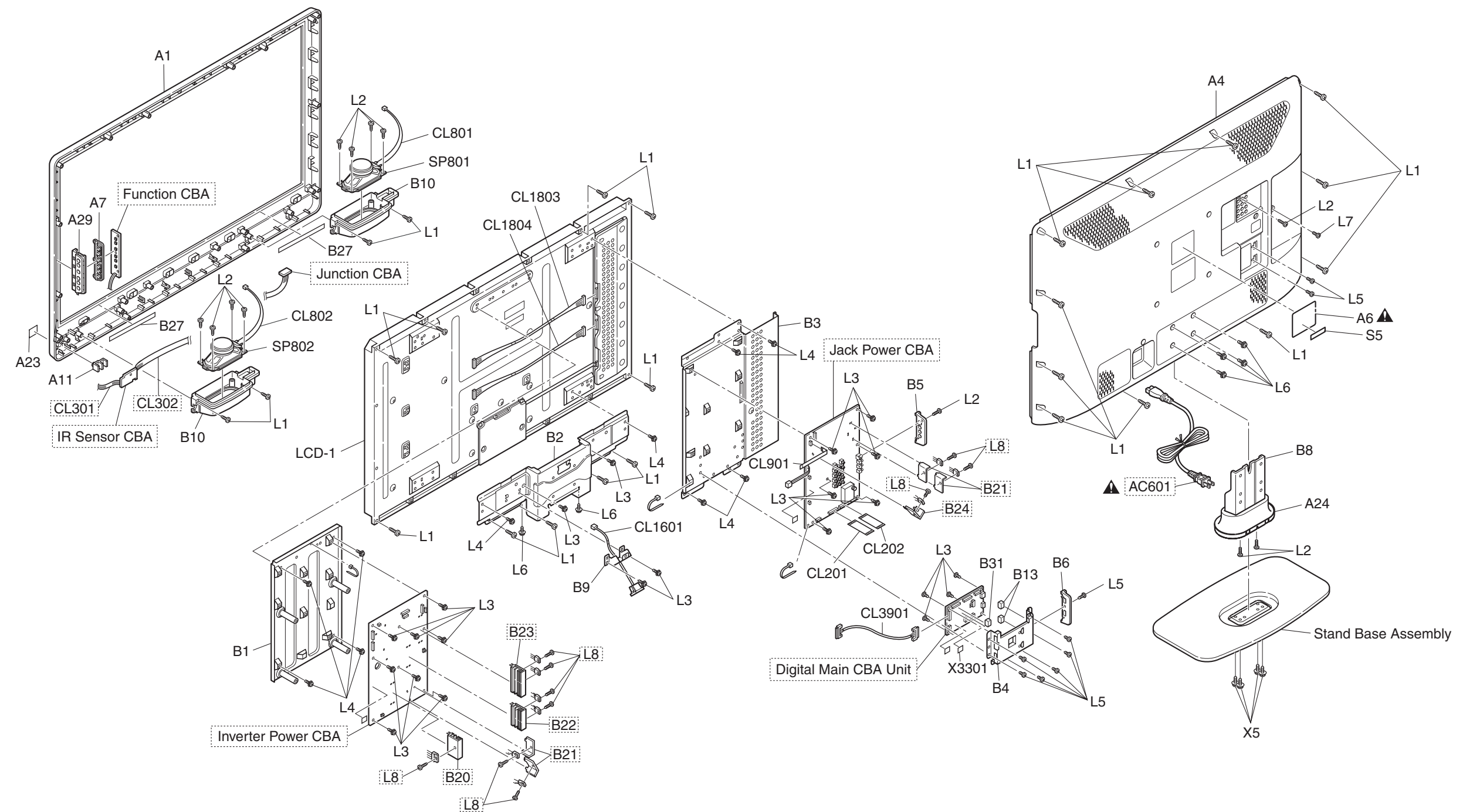
See Electrical Parts List
for parts with this mark.

Cabinet [42PFL3704D/F7 (Serial No. : YA1A*****)]



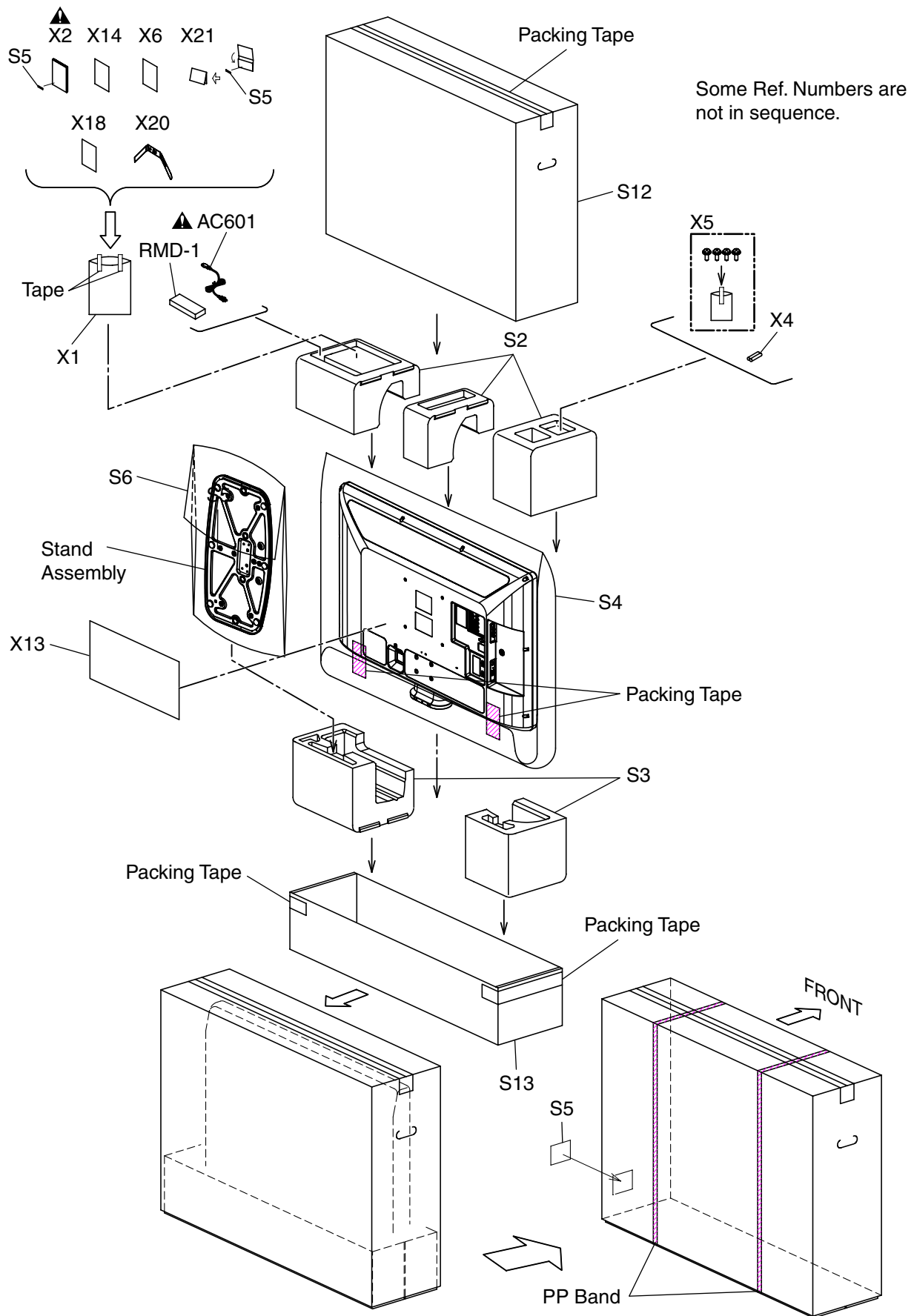
See Electrical Parts List
for parts with this mark.

Cabinet [42PFL3704D/F7 (Serial No. : YA2A***)]**

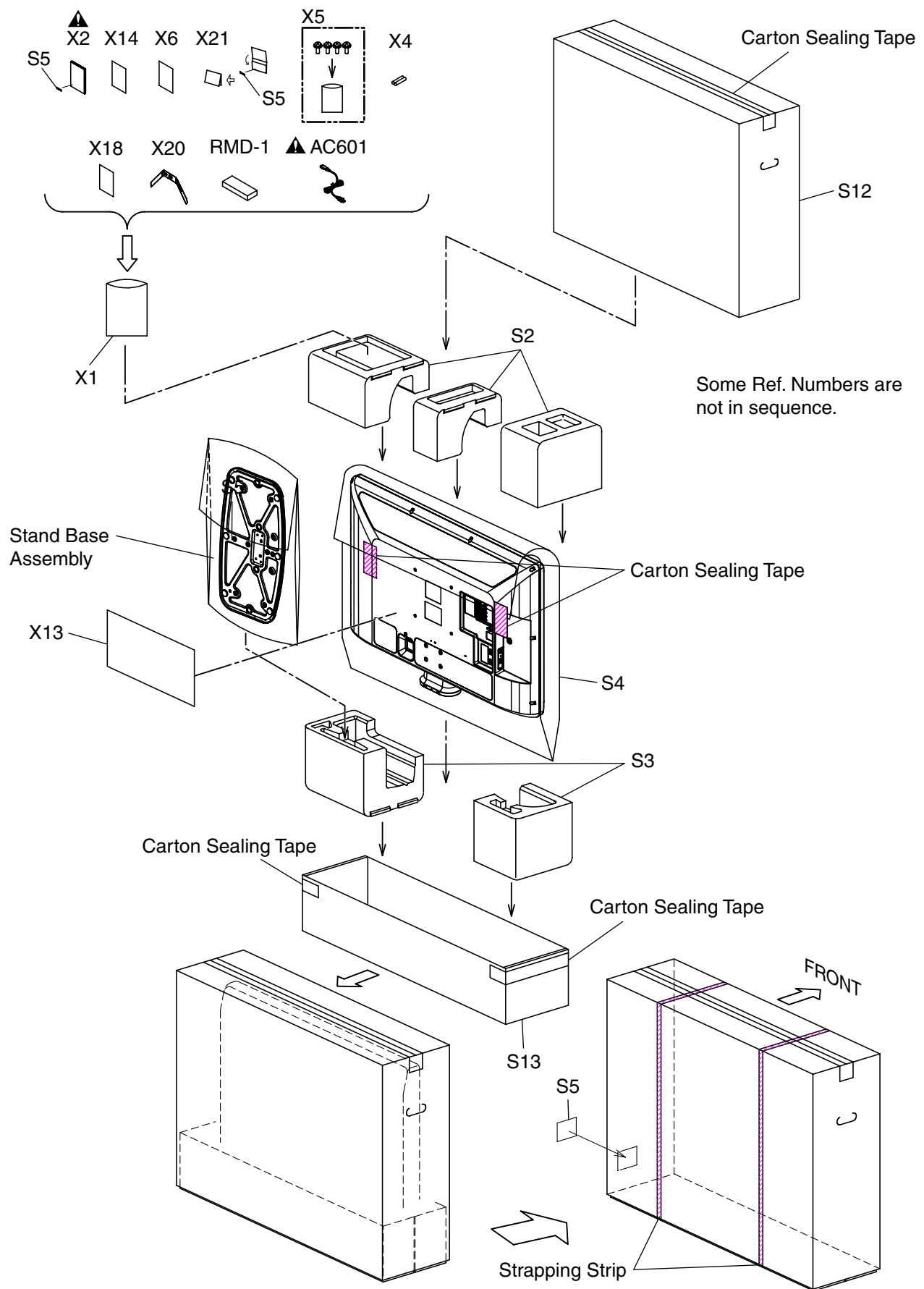


 See Electrical Parts List
for parts with this mark.

Packing [42PFL3704D/F7(Serial No. : DS1A***)]**



Packing [42PFL3704D/F7(Serial No. : YA1A***, YA2A*****)]**



MECHANICAL PARTS LIST

[42PFL3704D/F7 (Serial No. : DS1A*****)]

PRODUCT SAFETY NOTE: Products marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTE: Parts that are not assigned part numbers (-----) are not available.

Ref. No.	Description	Part No.
	STAND ASSEMBLY A91H2UH	1ESA20027
A1	FRONT CABINET A91H2UH	1EM023506
A4	REAR CABINET A91H2UH	1EM023507
A6 	RATING LABEL A91H2UH	-----
A7	FUNCTION KNOB A91H2UH	1EM222865
A11	SENSOR LED LENS A91H2UH	1EM325697
A21	POP LABEL A91H2UH	-----
A23	ENERGY STAR LABEL A91H2UH	-----
A29	KNOB FRAME A91H2UH	1EM222866
B1	WALL MOUNT BRACKET A91H2UH	1EM023510
B2	STAND BRACKET A91H2UH	1EM023511
B3	PCB HOLDER A91H2UH	1EM023509
B4	SHIELD BOX A91H2UH	1EM222869
B5	JACK HOLDER(A) A91H2UH	1EM222863
B6	JACK HOLDER(D) A91H2UH	1EM222864
B9	AC INLET HOLDER A91H2UH	1EM325698
B10	SPEAKER BOX(F) A91H2UH	1EM123354
B13	GASKET A91H2UH	1EM428597
B27	CLOTH(10X180XT0.5) L0336JG	0EM408827
CL201	WIRE ASSEMBLY 29PIN FFC 29PIN 50MM	WX1A94H0-101
CL202	WIRE ASSEMBLY 29PIN FFC 29PIN 50MM	WX1A94H0-101
CL801	WIRE ASSEMBLY 2PIN 2PIN 500MM	WX1A94H0-205
CL802	WIRE ASSEMBLY 2PIN 2PIN 750MM	WX1A94H0-206
CL901	FFC WIRE ASSEMBLY 11PIN 11PIN 90MM	WX1A94H0-104
CL1601	WIRE ASSEMBLY 2PIN 2PIN 220MM	WX1A94H0-204
CL1803	WIRE ASSEMBLY 14PIN 14PIN 510MM	WX1A94H0-201
CL1804	WIRE ASSEMBLY 10PIN 10PIN 580MM	WX1A94H0-202
CL3901	WIRE ASSEMBLY 51PIN 51PIN 240MM	WX1A94H0-301
FC1601	CLAMP FILTER ZCAT2035-0930A	XL06035TE001
L1	SCREW P-TIGHT M4X14 BIND HEAD+BLK	GBHP4140
L2	SCREW P-TIGHT 3X10 BIND HEAD+	GBHP3100
L3	ASSEMBLED SCREW (D9 M3X6) A71F0UH	1EM424392A
L4	DOUBLE SEMS SCREW M4X6 M4X6	FPJ34060
L5	SCREW S-TIGHT M3X8 BIND HEAD+	GBHS3080
L6	DOUBLE SEMS SCREW M4X14 + BLK	FPH34140
L7	SCREW S-TIGHT 3X8 WASHER HEAD+BLAC	GCHS3080
LCD-1	LCD 42W TFT V420H1-L13	UDULCDCME001
SP801	SPEAKER MAGNETIC YDP613-1FN	DSD0811EFU01
SP802	SPEAKER MAGNETIC YDP613-1FN	DSD0811EFU01
PACKING		
S2	STYROFOAM TOP A91H2UH	1EM023725
S3	STYROFOAM BOTTOM A91H2UH	1EM023726
S4	SET BAG A91H2UH	1EM325897
S5	SERIAL NO. LABEL TD812HC	-----
S6	STAND BAG A91H2UH	1EM428517
S12	CARTON(U) A91H2UH	1EM325781

Ref. No.	Description	Part No.
S13	CARTON(L) A91H2UH	1EM325780
ACCESSORIES		
AC601 	AC CORD WITH A GND WIRE UL/CSA/ 162/ NO/BLACK	WAV0162LW001
RMD-1	REMOTE CONTROL TRANSMITTER YKF259-001	URMT34JHG001
X1	BAG POLYETHYLENE 235X365XT0.03	0EM408420A
X2 	OWNERS MANUAL A91H2UH	1EMN24524
X4	BATTERY R03-B500/01S	XB0M451CZB01
X5	STAND SCREW KIT(LC7-42W) A91H2UH	1ESA20029
X6	QUICK START GUIDE A91H2UH	1EMN24525
X13	CONNECTION GUIDE A91H2UH	1EM325957
X14	CHILD SAFETY SHEET A91H2UH	1EMN24526
X18	WALL MOUNT INSTRUCTION A91H2UH	1EMN24527
X20	CABLE MANAGEMENT TIE A91H2UH	1EM428657
X21	REGISTRATION CARD(PHILIPS) A91H2UH	1EMN24599
X3301	THERMOSTAR TMS-L-2 (24*24HC)	XK10000X4002

MECHANICAL PARTS LIST

[42PFL3704D/F7 (Serial No. : YA1A*****)]

PRODUCT SAFETY NOTE: Products marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTE: Parts that are not assigned part numbers (-----) are not available.

Ref. No.	Description	Part No.
	STAND BASE ASSEMBLY A91H5UF	1EM024368
A1	FRONT CABINET A91H2UH	1EM023506
A4	REAR CABINET A91H2UH	1EM023507
A6 	RATING LABEL A91H5UF	-----
A7	FUNCTION KNOB A91H2UH	1EM222865
A11	SENSOR LED LENS A91H2UH	1EM325697
A21	POP LABEL A91H5UF	-----
A23	ENERGY STAR LABEL A91H5UF	-----
A24	STAND SUB COVER A91H2UH	1EM222867
A29	KNOB FRAME A91H2UH	1EM222866
B1	WALL MOUNT BRACKET A91H2UH	1EM023510
B2	STAND BRACKET A91H2UH	1EM023511
B3	PCB HOLDER A91H2UH	1EM023509
B4	SHIELD BOX A91H2UH	1EM222869
B5	JACK HOLDER(A) A91H2UH	1EM222863
B6	JACK HOLDER(D) A91H2UH	1EM222864
B8	STAND HINGE A91H2UH	1EM222868
B9	AC INLET HOLDER A91H2UH	1EM325698A
B10	SPEAKER BOX(F) A91H2UH	1EM123354
B13	GASKET A91H2UH	1EM428597
B27	CLOTH(10X180XT0.5) L0336JG	0EM408827
B31	GASKET B A91H5UF	1EM429637
B32	TAPE PANEL 50MM A91H5UF	31391232561
CL201	WIRE ASSEMBLY 29PIN FFC 29PIN 50MM	WX1A94H0-101
CL202	WIRE ASSEMBLY 29PIN FFC 29PIN 50MM	WX1A94H0-101
CL801	WIRE ASSEMBLY 2PIN 2PIN 640MM	WX1A94H0-215
CL802	WIRE ASSEMBLY 2PIN 2PIN 800MM	WX1A94H0-216
CL901	FFC WIRE ASSEMBLY 11PIN 11PIN 96MM	WX1A94H0-104
CL1601	WIRE ASSEMBLY 2PIN 2PIN 210MM	WX1A94H0-204
CL1803	WIRE ASSEMBLY 14PIN 14PIN 630MM	WX1A91H5-201
CL3901	WIRE ASSEMBLY 51PIN 51PIN 245MM	WX1A91H5-301
L1	SCREW P-TIGHT M4X14 BIND HEAD+BLK	GBHP4140
L2	SCREW P-TIGHT 3X10 BIND HEAD+	GBHP3100
L3	ASSEMBLED SCREW (D9 M3X6) A71F0UH	1EM424392A
L4	DOUBLE SEMS SCREW M4X6 M4X6	FPJ34060
L5	SCREW S-TIGHT M3X8 BIND HEAD+	GBHS3080
L6	DOUBLE SEMS SCREW M4X14 + BLK	FPH34140
L7	SCREW S-TIGHT 3X8 WASHER HEAD+BLAC	GCHS3080
LCD-1	LCD MODULE LC420WUN-SBA1	UDULCD0GS007
SP801	SPEAKER MAGNETIC YDP613-1FN	DSD0811EFU01
SP802	SPEAKER MAGNETIC YDP613-1FN	DSD0811EFU01
X3301	THERMOSTAR TMS-L-2(12*12HC)	XK10000X4003
PACKING		
S2	STYROFOAM TOP A91H2UH	1EM023725
S3	STYROFOAM BOTTOM A91H2UH	1EM023726
S4	SET BAG A91H5UF	1EM326697

Ref. No.	Description	Part No.
S5	SERIAL NO. LABEL TD812HC	-----
S12	CARTON(U) A91H5UF	1EM326537
S13	CARTON(L) A91H5UF	1EM326777
ACCESSORIES		
AC601 	AC CORD WITH A GND WIRE UL/CSA/ 162/ NO/BLACK	WAV0162LW001
RMD-1	REMOTE CONTROL TRANSMITTER YKF259-001	URMT34JHG001
X1	OWNERS MANUAL BAG A91H5UF	1EM429581
X2 	OWNERS MANUAL A91H5UF	1EMN24999
X4	BATTERY R03-B500/01S	XB0M451CZB01
X5	STAND SCREW KIT(LC7-42W) A91H5UF	1ESA21715
X6	QUICK START GUIDE A91H5UF	1EMN25000
X13	CONNECTION GUIDE A91H5UF	1EM326538
X14	CHILD SAFETY SHEET A91H5UF	1EMN25001
X18	WALL MOUNT INSTRUCTION A91H5UF	1EMN25002
X20	CABLE MANAGEMENT TIE A91H2UH	1EM428657
X21	REGISTRATION CARD(PHILIPS) A91H5UF	1EMN25003

MECHANICAL PARTS LIST

[42PFL3704D/F7 (Serial No. : YA2A*****)]

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NOTE: Parts that are not assigned part numbers (-----) are not available.

Ref. No.	Description	Part No.
	STAND BASE ASSEMBLY A91H5UF	1EM024368
A1	FRONT CABINET A91H2UH	1EM023506
A4	REAR CABINET A91H5UF	1EM024885
A6 	RATING LABEL A91H9UF	-----
A7	FUNCTION KNOB A91H2UH	1EM222865
A11	SENSOR LED LENS A91H2UH	1EM325697
A23	ENERGY STAR LABEL A91H5UF	-----
A24	STAND SUB COVER A91H2UH	1EM222867
A29	KNOB FRAME A91H2UH	1EM222866
B1	WALL MOUNT BRACKET A91H2UH	1EM023510
B2	STAND BRACKET A91H2UH	1EM023511
B3	PCB HOLDER A91H2UH	1EM023509
B4	SHIELD BOX A91H2UH	1EM222869
B5	JACK HOLDER(A) A91H2UH	1EM222863
B6	JACK HOLDER(D) A91H2UH	1EM222864
B8	STAND HINGE A91H2UH	1EM222868
B9	AC INLET HOLDER A91H2UH	1EM325698A
B10	SPEAKER BOX(F) A91H2UH	1EM123354
B13	GASKET A91H2UH	1EM428597
B27	CLOTH(10X180XT0.5) L0336JG	0EM408827
B31	GASKET B A91H5UF	1EM429637
CL201	WIRE ASSEMBLY 29PIN FFC 29PIN 50MM	WX1A94H0-101
CL202	WIRE ASSEMBLY 29PIN FFC 29PIN 50MM	WX1A94H0-101
CL801	WIRE ASSEMBLY 2PIN 2PIN 640MM	WX1A94H0-215
CL802	WIRE ASSEMBLY 2PIN 2PIN 800MM	WX1A94H0-216
CL901	FFC WIRE ASSEMBLY 11PIN 11PIN 96MM	WX1A94H0-104
CL1601	WIRE ASSEMBLY 2PIN 2PIN 210MM	WX1A94H0-204
CL1803	WIRE ASSEMBLY 14PIN 14PIN 510MM	WX1A94H0-201
CL1804	WIRE ASSEMBLY 10PIN 10PIN 580MM	WX1A94H0-202
CL3901	WIRE ASSEMBLY 51PIN 51PIN 245MM	WX1A94H0-301
L1	SCREW P-TIGHT M4X14 BIND HEAD+BLK	GBHP4140
L2	SCREW P-TIGHT 3X10 BIND HEAD+	GBHP3100
L3	ASSEMBLED SCREW (D9 M3X6) A71F0UH	1EM424392B
L4	DOUBLE SEMS SCREW M4X6 M4X6	FPJ34060
L5	SCREW S-TIGHT M3X8 BIND HEAD+	GBHS3080
L6	DOUBLE SEMS SCREW M4X14 + BLK	FPH34140
L7	SCREW S-TIGHT 3X8 WASHER HEAD+BLAC	GCHS3080
LCD-1	LCD 42W TFT V420H1-L13	UDULCDCME001
SP801	SPEAKER MAGNETIC YDP613-1FN	DSD0811EFU01
SP802	SPEAKER MAGNETIC YDP613-1FN	DSD0811EFU01
X3301	THERMOSTAR TMS-L-2(12*12HC)	XK10000X4003
PACKING		
S2	STYROFOAM TOP A91H2UH	1EM023725
S3	STYROFOAM BOTTOM A91H2UH	1EM023726
S4	SET BAG A91H5UF	1EM326697
S5	SERIAL NO. LABEL TD812HC	-----

Ref. No.	Description	Part No.
S12	CARTON(U) A91H5UF	1EM326537
S13	CARTON(L) A91H5UF	1EM326777
ACCESSORIES		
AC601 	AC CORD WITH A GND WIRE UL/CSA/ 162/ NO/BLACK	WAV0162LW001
RMD-1	REMOTE CONTROL TRANSMITTER YKF259-001	URMT34JHG001
X1	OENERS MANUAL BAG A91H5UF	1EM429581
X2 	OWNERS MANUAL A91H5UF	1EMN24999
X4	BATTERY R03-B500/01S	XB0M451CZB01
X5	STAND SCREW KIT(LC7-42W) A91H5UF	1ESA21715
X6	QUICK START GUIDE A91H5UF	1EMN25000
X13	CONNECTION GUIDE A91H5UF	1EM326538
X14	CHILD SAFETY SHEET A91H5UF	1EMN25001
X18	WALL MOUNT INSTRUCTION A91H5UF	1EMN25002
X20	CABLE MANAGEMENT TIE A91H2UH	1EM428657
X21	REGISTRATION CARD(PHILIPS) A91H5UF	1EMN25003

ELECTRICAL PARTS LIST

[42PFL3704D/F7 (Serial No. : DS1A*****)]

PRODUCT SAFETY NOTE: Products marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTES:

- Parts that are not assigned part numbers (-----) are not available.
- Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25% D.....±0.5% F.....±1%
 G.....±2% J.....±5% K.....±10%
 M.....±20% N.....±30% Z.....+80/-20%

DIGITAL MAIN CBA UNIT

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A91H2MMA-001

JACK ASSEMBLY

Ref. No.	Description	Part No.
	JACK ASSEMBLY Consists of the following:	A91H2MJC-001
	JACK POWER CBA	A91H2MJC-001-JK
	----- FUNCTION CBA IR SENSOR CBA JUNCTION CBA	A91H2MJC-001-FN.IR.JN

JACK POWER CBA

Ref. No.	Description	Part No.
	JACK POWER CBA Consists of the following:	-----
CAPACITORS		
C101	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C104	CHIP CERAMIC CAP.(1608) CH J 47pF/50V	CHD1JJ3CH470
C105	ELECTROLYTIC CAP. 10µF/50V M	CE1JMASDL100
C106	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C107	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C108	CHIP CERAMIC CAP.(1608) CH J 47pF/50V	CHD1JJ3CH470
C109	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C110	ELECTROLYTIC CAP. 1000µF/6.3V M	CE0KMASDL102
C111	CHIP CERAMIC CAP. CH J 220pF/50V	CHD1JJ3CH221
C201	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C202	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C203	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C204	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C205	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C206	ELECTROLYTIC CAP. 220µF/6.3V M	CE0KMASDL221
C401	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C402	ELECTROLYTIC CAP. 47µF/25V M	CE1EMASDL470
C403	ELECTROLYTIC CAP. 10µF/50V M H7	CE1JMAVSL100
C404	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104

Ref. No.	Description	Part No.
C405	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C406	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C407	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C410	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C411	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C412	ELECTROLYTIC CAP. 100µF/16V M	CE1CMASDL101
C413	ELECTROLYTIC CAP. 100µF/10V M	CE1AMASDL101
C503	CHIP CERAMIC CAP. F Z 0.01µF/50V	CHD1JZ30F103
C601	METALIZED FILM CAP. 0.0033µF/1.6KV J	CT3C332F7004
C602	CAP ELECTROLYTIC 100µF/400V/M/22/25	CA2H101DYG17
C603	POLYESTER FILM CAP. (PB FREE) 0.047µF/100V J	CA2A473DT018
C604	CERAMIC CAP. RB 100pF/2KV	CA3D101TE006
C605	POLYESTER FILM CAP. (PB FREE) 0.001µF/100V J	CA2A102DT018
C606	POLYESTER FILM CAP. (PB FREE) 0.1µF/100V J	CA2A104DT018
C607	POLYESTER FILM CAP. (PB FREE) 0.0022µF/100V J	CA2A222DT018
C610 	SAFTY CAP. 2200pF/250V KX	CA2E222MR101
C612	POLYESTER FILM CAP. (PB FREE) 0.0022µF/100V J	CA2A222DT018
C614	ELECTROLYTIC CAP 3300µF/25V M	CE1EMZNDL332
C615	ELECTROLYTIC CAP 3300µF/25V M	CE1EMZNDL332
C617	ELECTROLYTIC CAP. 220µF/50V M	CE1JMASDL221
C618	ELECTROLYTIC CAP. 4700µF/10V M P=7.5	CE1AMZNDL472
C619	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMASDL102
C620	CAP ALUMINUM ELECTROLYTIC 2200µF/6.3V M	CE0KMZNDL222
C621	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMASDL102
C622	ELECTROLYTIC CAP. 470µF/25V M	CE1EMASDL471
C623	CAP CERAMIC (AX) 0.01µF/50V/B/K	CA1J103TU061
C624	ELECTROLYTIC CAP. 470µF/25V M	CE1EMASDL471
C625	ELECTROLYTIC CAP. 10µF/50V M	CE1JMASDL100
C626	ELECTROLYTIC CAP. 100µF/16V M	CE1CMASDL101
C628	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMASDL102
C629	ELECTROLYTIC CAP 3300µF/6.3V M	CE0KMZNDL332
C630	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C631	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASDL1R0
C633	ELECTROLYTIC CAP. 330µF/50V M	CE1JMZNDL331
C634	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C635	ELECTROLYTIC CAP. 100µF/10V M	CE1AMASDL101
C636	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C637	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C638	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C639	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C640	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C641	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C642	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C643	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C644	CHIP CERAMIC CAP.(1608) B K 5600pF/50V	CHD1JK30B562
C645	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C646	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C647	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C648	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C701	CHIP CERAMIC CAP. F Z 1µF/10V	CHD1AZ30F105
C703	CHIP CERAMIC CAP. F Z 1µF/10V	CHD1AZ30F105
C704	ELECTROLYTIC CAP. 10µF/50V M H7	CE1JMAVSL100
C705	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C706	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101

Ref. No.	Description	Part No.
C707	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C708	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C709	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C711	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C713	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C714	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C715	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C716	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C717	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C719	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C720	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C721	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C722	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C723	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C731	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C733	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C740	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C741	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C742	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C743	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C744	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C745	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C746	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C747	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C750	CHIP CERAMIC CAP.(1608) B K 3300pF/50V	CHD1JK30B332
C751	CHIP CERAMIC CAP.(1608) B K 3300pF/50V	CHD1JK30B332
C752	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C801	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C802	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
C803	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C804	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C805	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C806	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C807	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C808	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C809	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C810	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C811	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C812	CHIP CERAMIC CAP.(1608) B K 0.47μF/16V	CHD1CK30B474
C813	ELECTROLYTIC CAP. 470μF/25V M	CE1EMASDL471
C816	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C817	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C818	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C819	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C820	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C821	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C822	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C823	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C824	ELECTROLYTIC CAP. 470μF/25V M	CE1EMASDL471
C825	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C826	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C827	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C828	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C829	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C830	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C832	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C833	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C834	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C835	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C836	ELECTROLYTIC CAP. 100μF/16V M H7	CE1CMAVSL101
C837	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C839	ELECTROLYTIC CAP. 4.7μF/50V M H7	CE1JMAVSL4R7
C840	ELECTROLYTIC CAP. 4.7μF/50V M H7	CE1JMAVSL4R7

Ref. No.	Description	Part No.
C841	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C843	ELECTROLYTIC CAP. 100μF/25V M	CE1EMASDL101
C847	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C848	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C849	CHIP CERAMIC CAP.(1608) B K 0.47μF/16V	CHD1CK30B474
C851	ELECTROLYTIC CAP. 3.3μF/50V M	CE1JMASDL3R3
C852	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C853	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C854	CHIP CERAMIC CAP. B K 470pF/50V	CHD1JK30B471
C855	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C856	CHIP CERAMIC CAP. B K 470pF/50V	CHD1JK30B471
C863	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C864	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C865	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C866	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C867	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C868	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C869	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
CONNECTORS		
CN201	FFC CONNECTOR IMSA-9615S-29A-PP-A	JC96J29ER007
CN202	FFC CONNECTOR IMSA-9615S-29A-PP-A	JC96J29ER007
CN203	242 SERIES CONNECTOR 224202108W1	J322C08TG001
CN601	WIRE ASSEMBLY 3PIN 3PIN 130MM	WX1A94H0-203
CN801	PH CONNECTOR TOP 2P B2B-PH-K-S (LF)(SN)	J3PHC02JG029
CN802	CONNECTOR BASE 2P(EH) B 2B-EH-A(LF)(SN)	J3EHC02JG010
CN901	FFC CONNECTOR IMSA-9615S-11A-PP-A	JC96J11ER007
DIODES		
D201	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D501	DIODE ZENER 5V1BSB-T26	NDTB5R1BST26
D502	DIODE ZENER 5V1BSB-T26	NDTB5R1BST26
D503	DIODE ZENER 5V1BSB-T26	NDTB5R1BST26
D504	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D505	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D506	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D507	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D508	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D509	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D511	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D512	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D601	DIODE SCHOTTKY BARRIER 1H8-A2	NDTZ0001H8A2
D602	DIODE ZENER 20BSB-T26	NDTB020BST26
D603	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D604	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D606	DIODE ZENER 5V6BSB-T26	NDTB5R6BST26
D607	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D608	DIODE SCHOTTKY BARRIER 1H8-A2	NDTZ0001H8A2
D609▲	DIODE ZENER 39BSB-T26	NDTB039BST26
D610▲	DIODE ZENER 27BSB-T26	NDTB027BST26
D611	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D612	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D613	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D615	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D616	DIODE ZENER 1ZB22BB	NDWZ0001ZB22
D617	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D618	DIODE FR154	NDLZ000FR154
D619	DIODE ZENER 1ZB47BB	NDWZ0001ZB47
D620	DIODE SCHOTTKY SB360BH	NDWZ000SB360
D621	SCHOTTKY BARRIER DIODE SB190	NDWZ000SB190
D622	SCHOTTKY BARRIER DIODE SB340	NDWZ000SB340
D623	DIODE SCHOTTKY SB360BH	NDWZ000SB360
D624	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150

Ref. No.	Description	Part No.
D625	SCHOTTKY BARRIER DIODE SMD SK34	ND1Z0000SK34
D626	DIODE ZENER 1ZB2BB	NDWZ0001ZB22
D627	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D628	DIODE ZENER 8V2BSB-T26	NDTB8R2BST26
D631	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D632	DIODE ZENER 33BSA-T26	NDTA033BST26
D635	DIODE FR104-B	NDLZ000FR104
D636	DIODE ZENER 36BSB-T26	NDTB036BST26
D637	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D638	SHUNT REGULATOR KIA431B-AT/P	NSZBA0TJY038
D639	DIODE ZENER 11BSB-T26	NDTB011BST26
D640	DIODE ZENER 3V9BSB-T26	NDTB3R9BST26
D801	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D802	DIODE ZENER 20BSB-T26	NDTB020BST26
D803	DIODE ZENER 20BSB-T26	NDTB020BST26
D804	DIODE ZENER 20BSB-T26	NDTB020BST26
D805	DIODE ZENER 20BSB-T26	NDTB020BST26
D806	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D807	DIODE ZENER 18BSB-T26	NDTB018BST26
ICS		
IC401	IC WIED BROADWIDTH AV SW BH7645KS2	QSCA0R0RM008
IC601▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC602	IC REGULATOR BD9322EFJ-E2	QSCA0T0RM004
IC801	IC D-AMP BD5426EFS-E2	QSZBA0TRM137
IC803	IC OP AMP NJM4558M(Te1)-#ZZB	QSZBA0TJR089
COILS		
L101	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
L102	CHIP INDUCTOR LK1608R22K-T	LLACKB3TUR22
L104	CHIP INDUCTOR LK1608R22K-T	LLACKB3TUR22
L105	INDUCTOR 33μH-K-5FT	LLARKBSTU330
L401	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L402	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L601	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L602	CHOKO COIL 22μH-K	LLBD00PKV021
L603	CHOKO COIL 47μH	LLBD00PKV022
L801	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L802	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L803	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L804	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L805	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
TRANSISTORS		
Q201	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q501	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q601▲	MOS FET 2SK3798(Q.M)	QFQZSK3798QM
Q602▲	NPN TRANSISTOR 2SC5344O-AT	NQS002SC5344
Q603	TRANSISTOR 2SC2120-Q(Te2 F T)	QQS02SC2120F
Q604	NPN TRANSISTOR POWER 2SC4881F HFE MAX320	QQWZ2SC4881F
Q605	NPN TRANSISTOR POWER 2SC4881F HFE MAX320	QQWZ2SC4881F
Q702	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q703	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q704	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q801	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q802	TRANSISTOR KTA1267-GR-AT/P	NQS1KTA1267P
Q803	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q804	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
RESISTORS		
R101	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R102	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R103	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R104	CHIP RES. 1/10W J 47 Ω	RRXAJR5Z0470
R105	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000

Ref. No.	Description	Part No.
R110	CHIP RES. 1/10W J 47 Ω	RRXAJR5Z0470
R113	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R114	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R115	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R202	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R206	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R207	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R401	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R402	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R403	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R404	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R405	RES CARBON FILM T 1/4W J 33k Ω	RCX4333T1001
R406	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R407	RES CARBON FILM T 1/4W J 33k Ω	RCX4333T1001
R503	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R504	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R505	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R506	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R507	CHIP RES. 1/10W J 2.2k Ω	RRXAJR5Z0222
R508	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R511	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R512	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R513	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R601	METAL OXIDE FILM RES. 2W J 100k Ω	RN02104ZU001
R602	METAL OXIDE FILM RES. 2W J 100k Ω	RN02104ZU001
R603	RES CARBON FILM T 1/4W J 470k Ω	RCX4474T1001
R604	RES CARBON FILM T 1/4W J 470k Ω	RCX4474T1001
R605	RES CARBON FILM T 1/4W J 470k Ω	RCX4474T1001
R606	RES CARBON FILM T 1/4W J 470k Ω	RCX4474T1001
R607	RES CARBON FILM T 1/4W J 120 Ω	RCX4121T1001
R608	RES CARBON FILM T 1/4W J 120 Ω	RCX4121T1001
R610	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R611	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R612	RES CARBON FILM T 1/4W J 1.2k Ω	RCX4122T1001
R613	RES CARBON FILM T 1/4W J 390 Ω	RCX4391T1001
R614	METAL OXIDE FILM RES. 2W J 1 Ω	RN021R0ZU001
R615	RES CARBON FILM T 1/4W J 150 Ω	RCX4151T1001
R617	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R618	RES CARBON FILM T 1/4W J 330 Ω	RCX4331T1001
R619	RES CARBON FILM T 1/4W G 1.2k Ω	RCX4122T1002
R620	RES CARBON FILM T 1/4W G 10k Ω	RCX4103T1002
R621	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R622	RES CARBON FILM T 1/4W G 2.7k Ω	RCX4272T1002
R624	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R625	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R626	RES CARBON FILM T 1/4W J 1.2k Ω	RCX4122T1001
R627	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R628	METAL OXIDE FILM RES. 2W J 0.27 Ω	RN02R27ZU001
R630	RES CARBON FILM T 1/4W J 22 Ω	RCX4220T1001
R631	METAL RESISTER. 2W J 0.56 Ω	RN02R56ZU001
R632	CHIP RES. 1/10W F 10k Ω	RRXAFR5H1002
R633	RES CARBON FILM T 1/4W J 68 Ω	RCX4680T1001
R634	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R635	CHIP RES. 1/10W F 3.6k Ω	RRXAFR5H3601
R636	METAL RESISTER. 2W J 0.56 Ω	RN02R56ZU001
R638	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R639	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R640	RES. CARBON FILM J 1/2W J 820 Ω	RCX2821T1003
R641	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R642	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R643	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R644	RES CHIP.(1608) 1/10W D 10k Ω	RRXADR5H1002
R645	RES CHIP.(1608) 1/10W D 10k Ω	RRXADR5H1002

Ref. No.	Description	Part No.
R646	RES CHIP(1608) 1/10W D 1.1k Ω	RRXADR5H1101
R647	RES CARBON FILM T 1/4W J 390 Ω	RCX4391T1001
R648	CHIP RES. 1/10W J 8.2k Ω	RRXAJR5Z0822
R649	RES CARBON FILM T 1/4W G 15k Ω	RCX4153T1002
R650	CHIP RES. 1/10W F 5.1k Ω	RRXAFR5H5101
R651	METAL OXIDE FILM RES 2W J 330 Ω	RN02331ZU001
R652	METAL OXIDE FILM RES 2W J 330 Ω	RN02331ZU001
R653	METAL OXIDE FILM RES 2W J 330 Ω	RN02331ZU001
R654	RES CARBON FILM T 1/4W J 560 Ω	RCX4561T1001
R655	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R656	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R657	METAL OXIDE FILM RES 2W J 330 Ω	RN02331ZU001
R658	CHIP RES. 1/10W F 270 Ω	RRXAFR5H2700
R701	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R702	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R704	CHIP RES. 1/10W J 220 Ω	RRXAJR5Z0221
R705	CHIP RES. 1/10W J 110 Ω	RRXAJR5Z0111
R706	CHIP CERAMIC CAP(1608) CH J 100pF/50V	CHD1JJ3CH101
R707	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R709	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R710	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R711	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R712	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R713	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R714	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R715	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R717	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R718	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R720	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R721	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R723	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R725	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R726	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R729	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R730	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R731	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R732	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R733	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R740	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R741	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R743	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R744	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R752	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R753	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R754	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R755	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R756	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R757	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R759	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R760	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R762	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R763	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R764	CHIP RES. 1/10W J 560 Ω	RRXAJR5Z0561
R765	CHIP RES. 1/10W J 560 Ω	RRXAJR5Z0561
R766	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R767	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R768	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R769	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R770	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R771	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R772	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R801	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R802	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332

Ref. No.	Description	Part No.
R804	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R805	CHIP RES. 1/10W F 27k Ω	RRXAFR5H2702
R806	CHIP RES. 1/10W F 11k Ω	RRXAFR5H1102
R807	CHIP RES. 1/10W F 11k Ω	RRXAFR5H1102
R809	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R810	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R813	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R816	CHIP RES. 1/10W J 15k Ω	RRXAJR5Z0153
R817	CHIP RES. 1/10W J 5.6k Ω	RRXAJR5Z0562
R818	RES CARBON FILM T 1/4W J 2.2 Ω	RCX42R2T1001
R819	RES CARBON FILM T 1/4W J 2.2 Ω	RCX42R2T1001
R820	RES CARBON FILM T 1/4W J 2.2 Ω	RCX42R2T1001
R821	RES CARBON FILM T 1/4W J 2.2 Ω	RCX42R2T1001
R822	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R823	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R825	RES CARBON FILM T 1/4W J 39k Ω	RCX4393T1001
R826	RES CARBON FILM T 1/4W J 100k Ω	RCX4104T1001
R827	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R828	CHIP RES. 1/10W J 20k Ω	RRXAJR5Z0203
R829	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R830	RES CARBON FILM T 1/4W J 100k Ω	RCX4104T1001
R831	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R833	CHIP RES. 1/10W J 39k Ω	RRXAJR5Z0393
R834	CHIP RES. 1/10W J 20k Ω	RRXAJR5Z0203
R837	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R838	RES CARBON FILM T 1/4W J 22k Ω	RCX4223T1001
R839	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R851	CHIP RES. 1/10W J 15k Ω	RRXAJR5Z0153
R852	CHIP RES. 1/10W J 5.6k Ω	RRXAJR5Z0562
R853	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R854	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R866	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R902	CHIP RES. 1/10W J 470 Ω	RRXAJR5Z0471
MISCELLANEOUS		
B21	POW HEAT SINK A7120UH	1EM423993
B24	HEAT SINK PLT ASSEMBLY L0700UJ	1EM423290
BC601	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC603	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC701	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC702	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC801	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC804	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC805	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC806	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC807	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
CL301	WIRE ASSEMBLY 4PIN 4PIN/240MM	WX1A91H2-211
CL302	WIRE ASSEMBLY 8PIN 8PIN/900MM	WX1A94H0-001
JK701	JACK RCA PCB S ORANGE 01/RCA-101H(OR)	JXRJ010YUQ06
JK702	JACK SW DIN PCB S 04/DIN-417HA-01	JYEJ040YUQ03
JK703	JACK RCA PCB S YELLOW 01/RCA-101H(YL)	JXRJ010YUQ05
JK704	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK705	JACK SW RCA PCB S RED RCA-102H(RD)	JYRJ010YUQ03
JK706	JACK SW DIN PCB L DIN-435C(777D)	JYEL040YUQ03
JK707	JACK RCA PCB L RCA-101S(1)-03	JXRL010YUQ12
JK708	JACK RCA PCB L RCA-101S(1)-04	JXRL010YUQ13
JK709	JACK SW RCA PCB L RCA-102F(RD)	JYRL010YUQ05
JK712	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK713	JACK SW RCA PCB S RED RCA-102H(RD)	JYRJ010YUQ03
JK717	JACK RCA PCB S GREEN 01/RCA-101H(GN)	JXRJ010YUQ03
JK718	JACK RCA PCB S BLUE 01/RCA-101H(BL)	JXRJ010YUQ04
JK719	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JK720	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02

Ref. No.	Description	Part No.
JK721	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JK722	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK723	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JS202	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
JS801	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L8	SCREW B-TIGHT D3X8 BIND HEAD+	GBJB3080
T601▲	TRANS POWER 9706	LTT3PC0KT056
TU101	TUNER UNIT ATSC/NTSC/QAM UC020AF	UTUNNTUSP035

FUNCTION CBA

Ref. No.	Description	Part No.
	FUNCTION CBA Consists of the following:	-----
CAPACITORS		
C351	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C352	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
DIODE		
D351	DIODE ZENER 5V6BSB-T26	NDTB5R6BST26
RESISTORS		
R351	RES CARBON FILM T 1/4W G 18k Ω	RCX4183T1002
R352	RES CARBON FILM T 1/4W G 8.2k Ω	RCX4822T1002
R353	RES CARBON FILM T 1/4W G 4.7k Ω	RCX4472T1002
R354	RES CARBON FILM T 1/4W G 2.7k Ω	RCX4272T1002
R355	RES CARBON FILM T 1/4W G 4.7k Ω	RCX4472T1002
R356	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R357	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
SWITCHES		
SW351	TACT SWITCH SKQSAB	SST0101AL038
SW352	TACT SWITCH SKQSAB	SST0101AL038
SW353	TACT SWITCH SKQSAB	SST0101AL038
SW354	TACT SWITCH SKQSAB	SST0101AL038
SW355	TACT SWITCH SKQSAB	SST0101AL038
SW357	TACT SWITCH SKQSAB	SST0101AL038

IR SENSOR CBA

Ref. No.	Description	Part No.
	IR SENSOR CBA Consists of the following:	-----
CAPACITORS		
C301	ELECTROLYTIC CAP. 47μF/16V M H7	CE1CMAVSL470
C302	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C303	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C305	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C307	CHIP CERAMIC CAP.(1608) F Z 0.1μF/25V	CHD1EZ30F104
DIODE		
D302	LED (WHITE) SLR343WBC7T3XM	QPWM343WBC7T
RESISTORS		
R301	RES CARBON FILM T 1/4W J 100 Ω	RCX4101T1001
R302	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R304	CHIP RES. 1/10W J 2.2k Ω	RRXAJR5Z0222
R305	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
MISCELLANEOUS		
RS301	SENSOR REMOTE RECEIVER KSM-712TH2E	USESJR5SKK044

JUNCTION CBA

Ref. No.	Description	Part No.
	JUNCTION CBA Consists of the following:	-----
CONNECTOR		
CN302	242 SERIES CONNECTOR TUC-P08X-B1 WHT ST	JCTUB08TG002

INVERTER POWER CBA

Ref. No.	Description	Part No.
	INVERTER POWER CBA Consists of the following:	A91H2M1V-001
CAPACITORS		
C1101	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C1103	ELECTROLYTIC CAP. 470μF/10V M	CE1AMASDL471
C1104	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C1112	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1201	ELECTROLYTIC CAP 47μF/350V M	CE2GMZPDL470
C1206▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1207	POLYESTER FILM CAP. (PB FREE) 0.047μF/100V J	CA2A473DT018
C1208	CERAMIC CAP. 560pF/2KV	CA3D561PAN04
C1209	POLYESTER FILM CAP. (PB FREE) 0.0018μF/100V J	CA2A182DT018
C1210	CAP POLYESTER FILM 0.0056μF/100V J	CA2A562SER02
C1211	CAP POLYESTER FILM 0.0068μF/100V J	CA2A682SER02
C1212	CAP POLYESTER FILM 0.0033μF/100V J	CA2A332SER02
C1213	CAP CERAMIC (AX) 0.1μF/50V/B/K	CA1J104TU061
C1401	POLYESTER FILM CAP. (PB FREE) 0.01μF/100V J	CA2A103DT018
C1402	METALIZED POLYESTER FILM CAP. 2.2μF/50V J	CT1J225DT040
C1403	CAP POLYESTER FILM 0.22μF/100V J	CA2A224SER02
C1404	CAP METALIZED FILM 2.7μF 50V J	CT1J275DT039
C1405	CAP CERAMIC (AX) 1200pF/50V/B/K	CA1J122TU061
C1406	POLYESTER FILM CAP. (PB FREE) 0.001μF/100V J	CA2A102DT018
C1407	POLYESTER FILM CAP. (PB FREE) 0.0012μF/100V J	CA2A122DT018
C1408	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1409	CAP CERAMIC (AX) 0.1μF/50V/B/K	CA1J104TU061
C1410	CAP CERAMIC (AX) 0.022μF/50V/B/K	CA1J223TU061
C1411	ELECTROLYTIC CAP. 100μF/25V M	CE1EMASDL101
C1412	CAP CERAMIC (AX) 0.01μF/50V/F/Z	CA1J103TU062
C1413	POLYESTER FILM CAP. (PB FREE) 0.001μF/100V J	CA2A102DT018
C1414	CAP CERAMIC (AX) 1200pF/50V/B/K	CA1J122TU061
C1415	CAP CERAMIC (AX) CH 22pF/50V	CA1J220TU059
C1416	CAP CERAMIC (AX) CH 22pF/50V	CA1J220TU059
C1601▲	CAP METALIZED FILM 0.22μF/300V K 3.5MM	CT2F224DC004
C1602▲	CAP METALIZED FILM 1.0μF/300V K 3.5MM	CT2F105DC004
C1603▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1604▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1607	CAP METALIZED FILM J1.0μF/630V/J/MPEF	CA2K105DT048
C1610▲	CAP METALIZED FILM 0.22μF/300V K 3.5MM	CT2F224DC004
C1611▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1612	CAP ELECTROLYTIC 150μF/400V/M/25/30	CA2H151DYG18
C1613	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1614	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1701	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
C1702	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1703	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1704	ELECTROLYTIC CAP. 100μF/25V M	CE1EMASDL101
C1705	CAP CERAMIC (AX) 4700pF/50V/B/K	CA1J472TU061
C1706	CERAMIC CAP. B K 100pF/1KV	CCD3AKD0B101
C1707	POLYESTER FILM CAP. (PB FREE) 0.1μF/100V J	CA2A104DT018
C1708	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
C1709	CAP CERAMIC (AX) 330pF/50V/B/K	CA1J331TU061
C1710	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
C1711	METALIZED POLYESTER FILM CAP. 0.47μF/50V J	CT1J474DT040
C1712	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
C1713	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470

Ref. No.	Description	Part No.
C1714	CAP METALIZED FILM J0.039μF/630V/J/MPEF	CA2K393DT045
C1715	CAP CERAMIC (AX) 4700pF/50V/B/K	CA1J472TU061
C1716	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1717	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1718	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1720	POLYESTER FILM CAP. (PB FREE) 0.047μF/100V J	CA2A473DT018
C1722	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1723	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1724	CAP ELE STD-85 4700μF/35V SL	CE1GMZNDL472
C1725	CAP ELE STD-85 4700μF/35V SL	CE1GMZNDL472
C1726	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
C1727	CAP ELE STD-85 4700μF/35V SL	CE1GMZNDL472
C1731	CAP CERAMIC (AX) 0.01μF/50V/F/Z	CA1J103TU062
C1801	ELECTROLYTIC CAP. 2200μF/35V M	CE1GMZNDL222
C1806	ELECTROLYTIC CAP. 2200μF/35V M	CE1GMZNDL222
C1807	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1811	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1812	CAP CERAMIC (AX) 1000pF/50V/B/K	CA1J102TU061
CONNECTORS		
CN1501	CONNECTOR PRINT OSU 3 S B3P4-VH-L	J3VH030JG015
CN1601	CONNECTOR B2P3-VH(LF)(SN)	J3VH020JG001
CN1801	FFC CONNECTOR IMSA-9615S-11A-PP-A	JC96J11ER007
CN1803	CONNECTOR PRINT OSU B14B-PH-K-S(LF)(SN)	J3PHC14JG029
CN1804	PH CONNECTOR TOP 10P B10B-PH-K-S(LF)(SN)	J3PHC10JG029
DIODES		
D1101	SCHOTTKY BARRIER DIODE SB160	NDWZ000SB160
D1102	DIODE ZENER 8V2BSB-T26	NDTB8R2BST26
D1103	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1104	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1106	DIODE FR104-B	NDLZ000FR104
D1107	DIODE ZENER 9V1BSC-T26	NDTC9R1BST26
D1108	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
D1109	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D1110	DIODE ZENER 3V9BSB-T26	NDTB3R9BST26
D1205	DIODE 1N5399BE	NDL1001N5399
D1206	DIODE 1N5399BE	NDL1001N5399
D1207	DIODE 1N5399BE	NDL1001N5399
D1208	DIODE 1N5399BE	NDL1001N5399
D1209	DIODE ZENER 18BSB-T26	NDTB018BST26
D1210	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1211	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1212	DIODE ZENER 39BSB-T26	NDTB039BST26
D1213	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D1215	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1216	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1217	DIODE ZENER 16BSB-T26	NDTB016BST26
D1218	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1219	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1401	DIODE ZENER 18BSB-T26	NDTB018BST26
D1402	DIODE ZENER 24BSB-T26	NDTB024BST26
D1601▲	DIODE BRIDGE D10XB60-7000	QDWZ0D10XB60
D1602	DIODE ZENER 4V7BSB-T26	NDTB4R7BST26
D1603	DIODE ZENER 27BSB-T26	NDTB027BST26
D1604	DIODE FAST RECOVERY 30PFB60	QDWZ030PFB60
D1605	DIODE ZENER 27BSB-T26	NDTB027BST26
D1606	DIODE FAST RECOVERY 30PFB60	QDWZ030PFB60
D1607	DIODE ZENER 4V7BSB-T26	NDTB4R7BST26
D1703	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1704	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1705	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133

Ref. No.	Description	Part No.
D1706	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
D1707	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
D1708	DIODE ZENER 4V7BSB-T26	NDTB4R7BST26
D1710	DIODE ZENER 27BSB-T26	NDTB027BST26
D1712	DIODE ZENER 18BSB-T26	NDTB018BST26
D1713	DIODE ZENER 27BSB-T26	NDTB027BST26
D1714	DIODE SHOTTKY FCHS20A08	QDWZCHS20A08
D1715	DIODE SHOTTKY FCHS20A08	QDWZCHS20A08
D1716	DIODE ZENER 18BSB-T26	NDTB018BST26
D1719	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1720	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D1802	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
ICS		
IC1202▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC1401▲	IC DUAL-PHASE PFC CONTROLLER UCC28060DR	NSCA0T0TY005
IC1702	IC 0V-SWITCHING RESONANT CONVE TEA1611T/N1.518	NSCA0TNXP002
IC1703▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC1704▲	PHOTO COUPLER LTV817MBF	NPEBLTV817MF
IC1705▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
COILS		
L1101	CHOKE COIL 22μH-K	LLBD00PKV021
L1601▲	FILTER LLBG00ZY2015	LLBG00ZY2015
L1602▲	FILTER LLBG00ZY2015	LLBG00ZY2015
L1603▲	COIL EF 9702	LLEE0Z0KT001
L1604▲	COIL EF 9702	LLEE0Z0KT001
TRANSISTORS		
Q1101	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1201	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1202	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1203▲	FET 2SK3757(Q)	QFWZ02SK3757
Q1204▲	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1401	TRANSISTOR 2SC2120-O(TE2 F T)	QQS02SC2120F
Q1402	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1403	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1404	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1601▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1602▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1701▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1702▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1703	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1704	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1705	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1706	TRANSISTOR KTA1267-GR-AT/P	NQS1KTA1267P
Q1707	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1708	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
RESISTORS		
R1103	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R1104	CHIP RES. 1/10W J 270 Ω	RRXAJR5Z0271
R1105	RES CARBON FILM T 1/4W G 6.8k Ω	RCX4682T1002
R1106	RES CARBON FILM T 1/4W G 27k Ω	RCX4273T1002
R1107	CHIP RES. 1/10W F 3.3k Ω	RRXAFR5H3301
R1108	CHIP RES. 1/10W F 10k Ω	RRXAFR5H1002
R1109	RES CARBON FILM T 1/4W J 22 Ω	RCX4220T1001
R1206	CHIP RES. 1/10W J 470 Ω	RRXAJR5Z0471
R1207	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R1208	RES CARBON FILM T 1/4W J 560 Ω	RCX4561T1001
R1209	RES CARBON FILM T 1/4W J 33k Ω	RCX4333T1001
R1210	CHIP RES. 1/10W J 220k Ω	RRXAJR5Z0224
R1211	CHIP RES. 1/10W F 1.0k Ω	RRXAFR5H1001
R1212	CHIP RES. 1/10W F 4.3k Ω	RRXAFR5H4301
R1213	CHIP RES. 1/10W F 4.7k Ω	RRXAFR5H4701

Ref. No.	Description	Part No.
R1214	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1215	RES CARBON FILM T 1/4W J 100 Ω	RCX4101T1001
R1216	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R1217	RES CARBON FILM T 1/4W J 820k Ω	RCX4824T1001
R1218	RES CARBON FILM T 1/4W J 820k Ω	RCX4824T1001
R1219	RES CARBON FILM T 1/4W J 820k Ω	RCX4824T1001
R1220	RES CARBON FILM T 1/4W J 330 Ω	RCX4331T1001
R1221	RES CARBON FILM T 1/4W J 470k Ω	RCX4474T1001
R1222	RES CARBON FILM T 1/4W J 1.8k Ω	RCX4182T1001
R1223	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R1224	RES. CARBON FILM J 1/2W J 3.9 Ω	RCX23R9T1003
R1225	RES CARBON FILM T 1/4W J 18k Ω	RCX4183T1001
R1226	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R1227	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1228	METAL OXIDE FILM RES. 2W J 1 Ω	RN021R0ZU001
R1229	METAL OXIDE FILM RES. 2W J 56 Ω	RN02560ZU001
R1401	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1402	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1403	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1404	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1405	RES METALIZED FILM T 1/4W F 51.1k Ω	RDC5112HH003
R1406	METAL FILM RES. 1/4W F 121k Ω	RDC1213HH001
R1407	RES METALIZED FILM T 1/4W F 2.74k Ω	RDC2741HH003
R1409	RES METALIZED FILM T 1/4W F 5.62k Ω	RDC5621HH003
R1410	RES CARBON FILM T 1/4W J 470 Ω	RCX4471T1001
R1411	RES CARBON FILM T 1/4W J 3.3k Ω	RCX4332T1001
R1412	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1413	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R1415	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R1416	RES CARBON FILM T 1/4W J 39k Ω	RCX4393T1001
R1417	METAL FILM RES. 1/4W F 100k Ω	RDC1003HH001
R1418	METAL FILM RES. 1/4W F 100k Ω	RDC1003HH001
R1419	METAL FILM RES. 1/4W F 100k Ω	RDC1003HH001
R1420	RES METALIZED FILM T 1/4W F 26.7k Ω	RDC2672HH003
R1421	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1422	METAL FILM RES. 1/4W F 100k Ω	RDC1003HH001
R1423	RES CARBON FILM T 1/4W J 220k Ω	RCX4224T1001
R1424	RES CARBON FILM T 1/4W J 100 Ω	RCX4101T1001
R1425	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1426	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1427	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1428	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1429	RES METALIZED FILM T 1/4W F 21.0k Ω	RDC2102HH003
R1430	RES METALIZED FILM T 1/4W F 21.0k Ω	RDC2102HH003
R1431	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1432	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1433	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1434	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1435	RES METALIZED FILM T 1/4W F 33.2k Ω	RDC3322HH003
R1436	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R1437	RES CARBON FILM T 1/4W J 470 Ω	RCX4471T1001
R1438	RES CARBON FILM T 1/4W J 3.3k Ω	RCX4332T1001
R1439	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1440	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1441	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1601▲	GLASS GLAZE RES. 1/2W J 1M Ω	RXX2JZLZ0105
R1602▲	GLASS GLAZE RES. 1/2W J 8.2M Ω	RXX2JZLZ0825
R1603	RES CARBON FILM T 1/4W J 20k Ω	RCX4203T1001
R1604	RES CEMENT 5W J 0.015 Ω	RW05L15PAK24
R1605	RES CARBON FILM T 1/4W J 4.7 Ω	RCX44R7T1001
R1606	RES CARBON FILM T 1/4W J 4.7 Ω	RCX44R7T1001
R1607	RES CARBON FILM T 1/4W J 20k Ω	RCX4203T1001
R1608	GLASS GLAZE RES. 1/2W J 1M Ω	RXX2JZLZ0105

Ref. No.	Description	Part No.
R1701	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R1702	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R1703	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1704	RES CARBON FILM T 1/4W J 3.3k Ω	RCX4332T1001
R1705	RES CARBON FILM T 1/4W J 39k Ω	RCX4393T1001
R1706	RES CARBON FILM T 1/4W J 470 Ω	RCX4471T1001
R1707	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R1708	RES CARBON FILM T 1/4W J 68k Ω	RCX4683T1001
R1709	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R1710	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1711	RES CARBON FILM T 1/4W J 33k Ω	RCX4333T1001
R1712	RES CARBON FILM T 1/4W J 68k Ω	RCX4683T1001
R1713	RES CARBON FILM T 1/4W J 47 Ω	RCX4470T1001
R1714	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1715	RES CARBON FILM T 1/4W J 22k Ω	RCX4223T1001
R1716	RES CARBON FILM T 1/4W J 47k Ω	RCX4473T1001
R1717	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1718	RES CARBON FILM T 1/4W J 47 Ω	RCX4470T1001
R1719	RES CEMENT 5W J 0.18 Ω	RW05R18PAK24
R1720	RES CEMENT 5W J 0.18 Ω	RW05R18PAK24
R1722	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1724	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1725	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R1726	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R1727	CHIP RES. 1/10W J 5.1k Ω	RRXAJR5Z0512
R1728	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R1729	CHIP RES. 1/10W J 220 Ω	RRXAJR5Z0221
R1730	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1731	CHIP RES. 1/10W J 2.7k Ω	RRXAJR5Z0272
R1732	RES CARBON FILM T 1/4W J 3.9k Ω	RCX4392T1001
R1733	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1734	CHIP RES. 1/10W F 4.3k Ω	RRXAFR5H4301
R1735	RES CARBON FILM T 1/4W G 6.8k Ω	RCX4682T1002
R1736	RES CARBON FILM T 1/4W G 8.2k Ω	RCX4822T1002
R1737	CHIP RES. 1/10W F 2.2k Ω	RRXAFR5H2201
R1738	CHIP RES. 1/10W J 2.7k Ω	RRXAJR5Z0272
R1739	CHIP RES. 1/10W J 390 Ω	RRXAJR5Z0391
R1740	RES CARBON FILM T 1/4W J 22k Ω	RCX4223T1001
R1741	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R1742	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R1743	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R1744	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1745	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1801	CHIP RES. 1/10W J 470 Ω	RRXAJR5Z0471
R1802	CHIP RES. 1/10W F 33.0k Ω	RRXAFR5H3302
R1803	CHIP RES. 1/10W F 6.8k Ω	RRXAFR5H6801
R1804	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R1805	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
MISCELLANEOUS		
B20	HEAT SINK EAL ASSEMBLY A81H0UH	1EM424648
B21	POW HEAT SINK A7120UH	1EM423993
B22	HEAT SINK EAK ASSEMBLY A81H0UH	1EM424646A
B23	HEAT SINK EAJ ASSEMBLY A81H0UH	1EM424644
BC1201	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1501	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1601	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1602	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1603	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1604	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1605	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1606	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1607	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030

Ref. No.	Description	Part No.
BC1608	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1701	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1702	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
F1601▲	FUSE 8A/250V(PB FREE) 0215008.MXP	PBGZ20BAG022
FH1601	FUSE HOLDER MSF-015 LF (B110)	XH01Z00LY002
FH1602	FUSE HOLDER MSF-015 LF (B110)	XH01Z00LY002
L8	SCREW B-TIGHT D3X8 BIND HEAD+	GBJB3080
RL1201▲	RELAY SDT-SS-105DM	MRLEC05QN001
SA1601▲	SURGE ABSORBER 470V+-10PER	NVQZ10D471KB
SA1603▲	SURGE ABSORBER 470V+-10PER	NVQZ10D471KB
T1201▲	TRANS POWER 9705	LTT1PC0KT003
T1701▲	TRANS INV SRX40ER-P240000G8501	LTZ4PZ0TE001

ELECTRICAL PARTS LIST

[42PFL3704D/F7 (Serial No. : YA1A*****)]

PRODUCT SAFETY NOTE: Products marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTES:

- Parts that are not assigned part numbers (-----) are not available.
- Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25% D.....±0.5% F.....±1%
 G.....±2% J.....±5% K.....±10%
 M.....±20% N.....±30% Z.....+80/-20%

DIGITAL MAIN CBA UNIT

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A91H5MMA-001

JACK ASSEMBLY

Ref. No.	Description	Part No.
	JACK ASSEMBLY Consists of the following:	A91H5MJC-001
	JACK POWER CBA	A91H5MJC-001-JK
	----- FUNCTION CBA IR SENSOR CBA JUNCTION CBA	A91H5MJC-001-FN.IR.UN

JACK POWER CBA

Ref. No.	Description	Part No.
	JACK POWER CBA Consists of the following:	-----
CAPACITORS		
C101	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C104	CHIP CERAMIC CAP.(1608) CH J 47pF/50V	CHD1JJ3CH470
C105	ELECTROLYTIC CAP. 10µF/50V M	CE1JMASDL100
C106	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C107	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C108	CHIP CERAMIC CAP.(1608) CH J 47pF/50V	CHD1JJ3CH470
C109	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C110	ELECTROLYTIC CAP. 1000µF/6.3V M	CE0KMZNDL102
C111	CHIP CERAMIC CAP. CH J 220pF/50V	CHD1JJ3CH221
C201	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C202	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C203	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C204	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C205	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C206	ELECTROLYTIC CAP. 220µF/6.3V M	CE0KMZNDL221
C213	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
C401	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C402	ELECTROLYTIC CAP. 47µF/25V M	CE1EMASDL470
C403	ELECTROLYTIC CAP. 10µF/50V M H7	CE1JMAVSL100

Ref. No.	Description	Part No.
C404	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C405	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C406	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C407	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C410	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C411	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C412	ELECTROLYTIC CAP. 330µF/16V M	CE1CMASDL331
C413	ELECTROLYTIC CAP. 330µF/10V M	CE1AMASDL331
C503	CHIP CERAMIC CAP. F Z 0.01µF/50V	CHD1JZ30F103
C601	METALIZED FILM CAP. 0.0033µF/1.6KV J	CT3C332F7004
C602	CAP ELECTROLYTIC 100µF/400V/M/22/25	CA2H101DYG17
C603	POLYESTER FILM CAP. (PB FREE) 0.047µF/100V J	CA2A473DT018
C604	CERAMIC CAP. RB 100pF/2KV	CA3D101TE006
C605	POLYESTER FILM CAP. (PB FREE) 0.001µF/100V J	CA2A102DT018
C606	POLYESTER FILM CAP. (PB FREE) 0.1µF/100V J	CA2A104DT018
C607	POLYESTER FILM CAP. (PB FREE) 0.0022µF/100V J	CA2A222DT018
C610	 SAFTY CAP. 2200pF/250V KX	CA2E222MR101
C612	POLYESTER FILM CAP. (PB FREE) 0.0022µF/100V J	CA2A222DT018
C614	ELECTROLYTIC CAP 3300µF/25V M	CE1EMZNDL332
C615	ELECTROLYTIC CAP 3300µF/25V M	CE1EMZNDL332
C617	ELECTROLYTIC CAP. 220µF/50V M	CE1JMASDL221
C618	ELECTROLYTIC CAP. 4700µF/10V M	CE1AMZNDL472
C619	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMASDL102
C620	CAP ALUMINUM ELECTOLYTIC 2200µF/6.3V M	CE0KMZNDL222
C621	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMASDL102
C622	ELECTROLYTIC CAP. 470µF/25V M	CE1EMASDL471
C623	CAP CERAMIC AXIAL 52 10000pF/50V/B/K	CA1J103TU097
C624	ELECTROLYTIC CAP. 470µF/25V M	CE1EMASDL471
C625	ELECTROLYTIC CAP. 10µF/50V M	CE1JMASDL100
C626	ELECTROLYTIC CAP. 100µF/16V M	CE1CMASDL101
C628	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMASDL102
C629	ELECTROLYTIC CAP 3300µF/6.3V M	CE0KMZNDL332
C630	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C631	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASDL1R0
C633	ELECTROLYTIC CAP. 330µF/50V M	CE1JMZNDL331
C634	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C635	ELECTROLYTIC CAP. 100µF/10V M	CE1AMASDL101
C636	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C637	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C638	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C639	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C640	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C641	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C642	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C643	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C644	CHIP CERAMIC CAP.(1608) B K 5600pF/50V	CHD1JK30B562
C645	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C646	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C647	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C648	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C701	CHIP CERAMIC CAP. F Z 1µF/10V	CHD1AZ30F105
C703	CHIP CERAMIC CAP. F Z 1µF/10V	CHD1AZ30F105
C704	ELECTROLYTIC CAP. 10µF/50V M H7	CE1JMAVSL100
C705	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103

Ref. No.	Description	Part No.
C706	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C707	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C708	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C709	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C711	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C713	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C714	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C715	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C716	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C717	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C719	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C720	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C721	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C722	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C723	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C731	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C733	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C740	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C741	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C742	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C743	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C744	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C745	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C746	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C747	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C750	CHIP CERAMIC CAP.(1608) B K 3300pF/50V	CHD1JK30B332
C751	CHIP CERAMIC CAP.(1608) B K 3300pF/50V	CHD1JK30B332
C752	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C801	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C802	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
C803	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C804	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C805	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C806	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C807	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C808	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C809	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C810	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C811	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C812	CHIP CERAMIC CAP.(1608) B K 0.47μF/16V	CHD1CK30B474
C813	ELECTROLYTIC CAP. 470μF/25V M	CE1EMASDL471
C816	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C817	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C818	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C819	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C820	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C821	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C822	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C823	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C824	ELECTROLYTIC CAP. 470μF/25V M	CE1EMASDL471
C825	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C826	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C827	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C828	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C829	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C830	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C832	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C833	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C834	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C835	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C836	ELECTROLYTIC CAP. 100μF/16V M H7	CE1CMAVSL101
C837	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C839	ELECTROLYTIC CAP. 4.7μF/50V M H7	CE1JMAVSL4R7

Ref. No.	Description	Part No.
C840	ELECTROLYTIC CAP. 4.7μF/50V M H7	CE1JMAVSL4R7
C841	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C843	ELECTROLYTIC CAP. 100μF/25V M	CE1EMASDL101
C847	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C848	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C849	CHIP CERAMIC CAP.(1608) B K 0.47μF/16V	CHD1CK30B474
C851	ELECTROLYTIC CAP. 3.3μF/50V M	CE1JMASDL3R3
C852	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C853	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C854	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C855	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C856	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C863	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C864	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C865	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C866	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C867	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C868	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C869	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
CONNECTORS		
CN201	FFC CONNECTOR IMSA-9615S-29A-PP-A	JC96J29ER007
CN202	FFC CONNECTOR IMSA-9615S-29A-PP-A	JC96J29ER007
CN203	242 SERIES CONNECTOR 224202108W1	J322C08TG001
CN601	WIRE ASSEMBLY 3PIN 3PIN/120MM	WX1A94H0-213
CN801	PH CONNECTOR TOP 2P B2B-PH-K-S (LF)(SN)	J3PHC02JG029
CN802	CONNECTOR BASE 2P(EH) B 2B-EH-A(LF)(SN)	J3EHC02JG010
CN901	FFC CONNECTOR IMSA-9615S-11A-PP-A	JC96J11ER007
DIODES		
D201	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D501	DIODE ZENER 52 5V1BSB-T52	NDJB5R1BST52
D502	DIODE ZENER 52 5V1BSB-T52	NDJB5R1BST52
D503	DIODE ZENER 52 5V1BSB-T52	NDJB5R1BST52
D504	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D505	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D506	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D507	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D508	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D509	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D511	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D512	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D601	DIODE SCHOTTKY BARRIER 1H8-A2	NDTZ0001H8A2
D602	DIODE ZENER 52 20BSB-T52	NDJB020BST52
D603	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D604	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D606	DIODE ZENER 52 5V6BSB-T52	NDJB5R6BST52
D607	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D608	DIODE SCHOTTKY BARRIER 1H8-A2	NDTZ0001H8A2
D609▲	DIODE ZENER 52 39BSB-T52	NDJB039BST52
D610▲	DIODE ZENER 52 27BSB-T52	NDJB027BST52
D611	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D612	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D613	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D615	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D616	DIODE ZENER 1ZB22BB	NDWZ0001ZB22
D617	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D618	DIODE FR154	NDLZ000FR154
D619	DIODE ZENER 1ZB47BB	NDWZ0001ZB47
D620	DIODE SCHOTTKY SB360BH	NDWZ000SB360
D621	SCHOTTKY BARRIER DIODE SB190	NDWZ000SB190
D622	SCHOTTKY BARRIER DIODE SB340	NDWZ000SB340
D623	DIODE SCHOTTKY SB360BH	NDWZ000SB360

Ref. No.	Description	Part No.
D624	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D625	SCHOTTKY BARRIER DIODE SMD SK34	ND1Z0000SK34
D626	DIODE ZENER 1ZB22BB	NDWZ0001ZB22
D627	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D628	DIODE ZENER 52 8V2BSB-T52	NDJB8R2BST52
D631	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D632	DIODE ZENER 52 33BSA-T52	NDJA033BST52
D635	DIODE FR104-B	NDLZ000FR104
D636	DIODE ZENER 52 36BSB-T52	NDJB036BST52
D637	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D638	SHUNT REGULATOR KIA431B-AT/P	NSZBA0TJY038
D639	DIODE ZENER 52 11BSB-T52	NDJB011BST52
D640	DIODE ZENER 52 3V9BSB-T52	NDJB3R9BST52
D801	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D802	DIODE ZENER 52 20BSB-T52	NDJB020BST52
D803	DIODE ZENER 52 20BSB-T52	NDJB020BST52
D804	DIODE ZENER 52 20BSB-T52	NDJB020BST52
D805	DIODE ZENER 52 20BSB-T52	NDJB020BST52
D806	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D807	DIODE ZENER 52 18BSB-T52	NDJB018BST52
ICS		
IC401	IC WIED BROADWIDTH AV SW BH7645KS2	QSCA0R0RM008
IC601▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC602	IC REGULATOR BD9322EFJ-E2	QSCA0T0RM004
IC801	IC D-AMP BD5426EFS-E2	QSZBA0TRM137
IC803	IC OP AMP NJM4558M(Te1)-#ZZZB	QSZBA0TJR089
COILS		
L101	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
L102	CHIP INDUCTOR LK1608R22K-T	LLACKB3TUR22
L104	CHIP INDUCTOR LK1608R22K-T	LLACKB3TUR22
L105	INDUCTOR 33μH-K-5FT	LLARKBSTU330
L401	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L402	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L601	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L602	CHOKO COIL 22μH-K	LLBD00PKV021
L603	CHOKO COIL 47μH	LLBD00PKV022
L801	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L802	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L803	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L804	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L805	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
TRANSISTORS		
Q201	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q501	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q601▲	MOS FET 2SK3798(Q.M)	QFQZSK3798QM
Q602▲	NPN TRANSISTOR 2SC5344O-AT	NQS002SC5344
Q603	TRANSISTOR 2SC2120-O(Te2 F T)	QQS02SC2120F
Q604	NPN TRANSISTOR POWER 2SC4881F HFE MAX320	QQWZ2SC4881F
Q605	NPN TRANSISTOR POWER 2SC4881F HFE MAX320	QQWZ2SC4881F
Q702	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q703	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q704	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q801	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q802	TRANSISTOR KTA1267-GR-AT/P	NQS1KTA1267P
Q803	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q804	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
RESISTORS		
R101	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R102	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R103	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R104	CHIP RES. 1/10W J 47 Ω	RRXAJR5Z0470

Ref. No.	Description	Part No.
R105	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R110	CHIP RES. 1/10W J 47 Ω	RRXAJR5Z0470
R113	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R114	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R115	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R202	RES CARBON FILM J 52 1/4W J 10k Ω	RCX4103T1004
R206	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R207	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R401	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R402	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R403	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R404	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R405	RES CARBON FILM J 52 1/4W J 33k Ω	RCX4333T1004
R406	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R407	RES CARBON FILM J 52 1/4W J 33k Ω	RCX4333T1004
R503	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R504	RES CARBON FILM J 52 1/4W J 10k Ω	RCX4103T1004
R505	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R506	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R507	CHIP RES. 1/10W J 2.2k Ω	RRXAJR5Z0222
R508	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R511	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R512	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R513	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R601	METAL OXIDE FILM RES. 2W J 100k Ω	RN02104ZU001
R602	METAL OXIDE FILM RES. 2W J 100k Ω	RN02104ZU001
R603	RES CARBON FILM J 52 1/4W J 470k Ω	RCX4474T1004
R604	RES CARBON FILM J 52 1/4W J 470k Ω	RCX4474T1004
R605	RES CARBON FILM J 52 1/4W J 470k Ω	RCX4474T1004
R606	RES CARBON FILM J 52 1/4W J 470k Ω	RCX4474T1004
R607	RES CARBON FILM J 52 1/4W J 120 Ω	RCX4121T1004
R608	RES CARBON FILM J 52 1/4W J 120 Ω	RCX4121T1004
R610	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R611	RES CARBON FILM J 52 1/4W J 2.2k Ω	RCX4222T1004
R612	RES CARBON FILM J 52 1/4W J 1.2k Ω	RCX4122T1004
R613	RES CARBON FILM J 52 1/4W J 390 Ω	RCX4391T1004
R614	METAL OXIDE FILM RES. 2W J 1 Ω	RN021R0ZU001
R615	RES CARBON FILM J 52 1/4W J 150 Ω	RCX4151T1004
R617	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R618	RES CARBON FILM J 52 1/4W J 82 Ω	RCX4820T1004
R619	RES CARBON FILM J 52 1/4W G 1.2k Ω	RCX4122T1005
R620	RES CARBON FILM J 52 1/4W G 10k Ω	RCX4103T1005
R621	RES CARBON FILM J 52 1/4W J 4.7k Ω	RCX4472T1004
R622	RES CARBON FILM J 52 1/4W G 2.7k Ω	RCX4272T1005
R624	RES CARBON FILM J 52 1/4W J 220 Ω	RCX4221T1004
R625	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R626	RES CARBON FILM J 52 1/4W J 1.2k Ω	RCX4122T1004
R627	RES CARBON FILM J 52 1/4W J 220 Ω	RCX4221T1004
R628	METAL OXIDE FILM RES. 2W J 0.27 Ω	RN02R27ZU001
R630	RES CARBON FILM J 52 1/4W J 22 Ω	RCX4220T1004
R631	METAL RESISTER. 2W J 0.56 Ω	RN02R56ZU001
R632	CHIP RES. 1/10W F 10k Ω	RRXAFR5H1002
R633	RES CARBON FILM J 52 1/4W J 68 Ω	RCX4680T1004
R634	RES CARBON FILM J 52 1/4W J 10 Ω	RCX4100T1004
R635	CHIP RES. 1/10W F 3.6k Ω	RRXAFR5H3601
R636	METAL RESISTER. 2W J 0.56 Ω	RN02R56ZU001
R638	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R639	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R640	RES. CARBON FILM J 1/2W J 820 Ω	RCX2821T1003
R641	RES CARBON FILM J 52 1/4W J 4.7k Ω	RCX4472T1004
R642	RES CARBON FILM J 52 1/4W J 220 Ω	RCX4221T1004
R643	RES CARBON FILM J 52 1/4W J 220 Ω	RCX4221T1004
R644	RES CHIP.(1608) 1/10W D 10k Ω	RRXADR5H1002

Ref. No.	Description	Part No.
R645	RES CHIP.(1608) 1/10W D 10k Ω	RRXADR5H1002
R646	RES CHIP.(1608) 1/10W D 1.1k Ω	RRXADR5H101
R647	RES CARBON FILM J 52 1/4W J 390 Ω	RCX4391T1004
R648	CHIP RES. 1/10W J 8.2k Ω	RRXAJR5Z0822
R649	RES CARBON FILM J 52 1/4W G 15k Ω	RCX4153T1005
R650	CHIP RES. 1/10W F 5.1k Ω	RRXAFR5H5101
R651	METAL OXIDE FILM RES 2W J 330 Ω	RN02331ZU001
R652	METAL OXIDE FILM RES 2W J 330 Ω	RN02331ZU001
R654	RES CARBON FILM J 52 1/4W J 560 Ω	RCX4561T1004
R655	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R656	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R657	METAL OXIDE FILM RES 2W J 330 Ω	RN02331ZU001
R658	CHIP RES. 1/10W F 270 Ω	RRXAFR5H2700
R701	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R702	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R704	CHIP RES. 1/10W J 220 Ω	RRXAJR5Z0221
R705	CHIP RES. 1/10W J 110 Ω	RRXAJR5Z0111
R706	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
R707	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R709	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R710	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R711	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R712	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R713	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R714	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R715	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R717	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R718	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R720	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R721	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R723	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R725	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R726	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R729	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R730	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R731	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R732	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R733	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R740	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R741	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R743	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R744	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R752	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
R753	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R754	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
R755	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R756	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
R757	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R759	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R760	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R762	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R763	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R764	CHIP RES. 1/10W J 560 Ω	RRXAJR5Z0561
R765	CHIP RES. 1/10W J 560 Ω	RRXAJR5Z0561
R766	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R767	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R768	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R769	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R770	RES CARBON FILM J 52 1/4W J 1k Ω	RCX4102T1004
R771	RES CARBON FILM J 52 1/4W J 1k Ω	RCX4102T1004
R772	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R801	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R802	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332

Ref. No.	Description	Part No.
R804	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R805	CHIP RES. 1/10W F 27k Ω	RRXAFR5H2702
R806	CHIP RES. 1/10W F 11k Ω	RRXAFR5H1102
R807	CHIP RES. 1/10W F 11k Ω	RRXAFR5H1102
R809	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R810	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R813	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R816	CHIP RES. 1/10W J 15k Ω	RRXAJR5Z0153
R817	CHIP RES. 1/10W J 5.6k Ω	RRXAJR5Z0562
R818	RES CARBON FILM J 52 1/4W J 2.2 Ω	RCX42R2T1004
R819	RES CARBON FILM J 52 1/4W J 2.2 Ω	RCX42R2T1004
R820	RES CARBON FILM J 52 1/4W J 2.2 Ω	RCX42R2T1004
R821	RES CARBON FILM J 52 1/4W J 2.2 Ω	RCX42R2T1004
R822	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R823	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R825	RES CARBON FILM J 52 1/4W J 39k Ω	RCX4393T1004
R826	RES CARBON FILM J 52 1/4W J 100k Ω	RCX4104T1004
R827	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R828	CHIP RES. 1/10W J 20k Ω	RRXAJR5Z0203
R829	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R830	RES CARBON FILM J 52 1/4W J 100k Ω	RCX4104T1004
R831	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R833	CHIP RES. 1/10W J 39k Ω	RRXAJR5Z0393
R834	CHIP RES. 1/10W J 20k Ω	RRXAJR5Z0203
R837	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R838	RES CARBON FILM J 52 1/4W J 22k Ω	RCX4223T1004
R839	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R851	CHIP RES. 1/10W J 15k Ω	RRXAJR5Z0153
R852	CHIP RES. 1/10W J 5.6k Ω	RRXAJR5Z0562
R853	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R854	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R866	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R902	CHIP RES. 1/10W J 470 Ω	RRXAJR5Z0471
MISCELLANEOUS		
B21	POW HEAT SINK A7120UH	1EM423993
B24	HEAT SINK PLT ASSEMBLY L0700UJ	1EM423290
BC601	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC603	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC701	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC702	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC801	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC804	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC805	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC806	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC807	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
CL301	WIRE ASSEMBLY 4PIN 4PIN/240MM	WX1A91H2-211
CL302	WIRE ASSEMBLY 8PIN 8PIN/910MM	WX1A94H0-001
JK701	JACK RCA PCB S ORANGE 01/RCA-101H(OR)	JXRJ010YUQ06
JK702	JACK SW DIN PCB S 04/DIN-417HA-01	JYEJ040YUQ03
JK703	JACK RCA PCB S YELLOW 01/RCA-101H(YL)	JXRJ010YUQ05
JK704	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK705	JACK SW RCA PCB S RED RCA-102H(RD)	JYRJ010YUQ03
JK706	JACK SW DIN PCB L DIN-435C(777D)	JYEL040YUQ03
JK707	JACK RCA PCB L RCA-101S(1)-03	JXRL010YUQ12
JK708	JACK RCA PCB L RCA-101S(1)-04	JXRL010YUQ13
JK709	JACK SW RCA PCB L RCA-102F(RD)	JYRL010YUQ05
JK712	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK713	JACK SW RCA PCB S RED RCA-102H(RD)	JYRJ010YUQ03
JK717	JACK RCA PCB S GREEN 01/RCA-101H(GN)	JXRJ010YUQ03
JK718	JACK RCA PCB S BLUE 01/RCA-101H(BL)	JXRJ010YUQ04
JK719	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JK720	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02

Ref. No.	Description	Part No.
JK721	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JK722	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK723	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JS202	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
JS801	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L8	SCREW B-TIGHT D3X8 BIND HEAD+	GBJB3080
T601▲	TRANS POWER 9706	LTT3PC0KT056
TU101	TUNER UNIT ATSC/NTSC/QAM UC020AF	UTUNNTUSP035

FUNCTION CBA

Ref. No.	Description	Part No.
	FUNCTION CBA Consists of the following:	-----
CAPACITORS		
C351	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C352	CAP CERAMIC AXIAL 52 100000pF/50V/F/Z	CA1J104TU098
DIODE		
D351	DIODE ZENER 52 5V6BSB-T52	NDJB5R6BST52
RESISTORS		
R351	RES CARBON FILM J 52 1/4W G 12k Ω	RCX4123T1005
R352	RES CARBON FILM J 52 1/4W G 8.2k Ω	RCX4822T1005
R353	RES CARBON FILM J 52 1/4W G 4.7k Ω	RCX4472T1005
R354	RES CARBON FILM J 52 1/4W G 2.7k Ω	RCX4272T1005
R355	RES CARBON FILM J 52 1/4W G 4.7k Ω	RCX4472T1005
R356	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R357	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
SWITCHES		
SW351	TACT SWITCH SKQSAB	SST0101AL038
SW352	TACT SWITCH SKQSAB	SST0101AL038
SW353	TACT SWITCH SKQSAB	SST0101AL038
SW354	TACT SWITCH SKQSAB	SST0101AL038
SW355	TACT SWITCH SKQSAB	SST0101AL038
SW357	TACT SWITCH SKQSAB	SST0101AL038

IR SENSOR CBA

Ref. No.	Description	Part No.
	IR SENSOR CBA Consists of the following:	-----
CAPACITORS		
C301	ELECTROLYTIC CAP. 47μF/16V M H7	CE1CMAVSL470
C302	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C303	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C305	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C307	CHIP CERAMIC CAP.(1608) F Z 0.1μF/25V	CHD1EZ30F104
DIODE		
D302	LED (WHITE) SLR343WBC7T3XM	QPWM343WBC7T
RESISTORS		
R301	RES CARBON FILM J 52 1/4W J 100 Ω	RCX4101T1004
R302	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R304	CHIP RES. 1/10W J 2.2k Ω	RRXAJR5Z0222
R305	RES CARBON FILM J 52 1/4W J 1k Ω	RCX4102T1004
MISCELLANEOUS		
RS301	SENSOR REMOTE RECEIVER KSM-712TH2E	USESJR5SKK044

JUNCTION CBA

Ref. No.	Description	Part No.
	JUNCTION CBA Consists of the following:	-----
CONNECTOR		
CN302	242 SERIES CONNECTOR TUC-P08X-B1 WHT ST	JCTUB08TG002

INVERTER POWER CBA

Ref. No.	Description	Part No.
	INVERTER POWER CBA Consists of the following:	A91H5M1V-001
CAPACITORS		
C1101	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C1103	ELECTROLYTIC CAP. 1000μF/10V M	CE1AMASDL102
C1104	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C1112	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1201	ELECTROLYTIC CAP 47μF/350V M	CE2GMZPDL470
C1206▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1207	POLYESTER FILM CAP. (PB FREE) 0.047μF/100V J	CA2A473DT018
C1208	CERAMIC CAP. 560pF/2KV	CA3D561PAN04
C1209	POLYESTER FILM CAP. (PB FREE) 0.0018μF/100V J	CA2A182DT018
C1210	CAP POLYESTER FILM 0.0056μF/100V J	CA2A562SER02
C1211	CAP POLYESTER FILM 0.0068μF/100V J	CA2A682SER02
C1212	CAP POLYESTER FILM 0.0033μF/100V J	CA2A332SER02
C1213	CAP CERAMIC AXIAL 52 100000pF/50V/B/K	CA1J104TU097
C1401	POLYESTER FILM CAP. (PB FREE) 0.01μF/100V J	CA2A103DT018
C1402	METALIZED POLYESTER FILM CAP. 2.2μF/50V J	CT1J225DT040
C1403	CAP POLYESTER FILM 0.22μF/100V J	CA2A224SER02
C1404	CAP METALIZED FILM 2.7μF 50V J	CT1J275DT039
C1405	CAP CERAMIC AXIAL 52 1200pF/50V/B/K	CA1J122TU097
C1406	POLYESTER FILM CAP. (PB FREE) 0.001μF/100V J	CA2A102DT018
C1407	POLYESTER FILM CAP. (PB FREE) 0.0012μF/100V J	CA2A122DT018
C1408	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1409	CAP CERAMIC AXIAL 52 100000pF/50V/B/K	CA1J104TU097
C1410	CAP CERAMIC AXIAL 52 22000pF/50V/B/K	CA1J223TU097
C1411	ELECTROLYTIC CAP. 100μF/25V M	CE1EMASDL101
C1412	CAP CERAMIC AXIAL 52 10000pF/50V/F/Z	CA1J103TU098
C1413	POLYESTER FILM CAP. (PB FREE) 0.001μF/100V J	CA2A102DT018
C1414	CAP CERAMIC AXIAL 52 1200pF/50V/B/K	CA1J122TU097
C1415	CAP CERAMIC AXIAL 52 22pF/50VCH/J	CA1J220TU095
C1416	CAP CERAMIC AXIAL 52 22pF/50VCH/J	CA1J220TU095
C1601▲	CAP METALIZED FILM 0.22μF/300V K 3.5MM	CT2F224DC004
C1602▲	CAP METALIZED FILM 1.0μF/300V K 3.5MM	CT2F105DC004
C1603▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1604▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1607	CAP METALIZED FILM J1.0μF/630V/J/MPEF	CA2K105DT048
C1610▲	CAP METALIZED FILM 0.22μF/300V K 3.5MM	CT2F224DC004
C1611▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1612	CAP ELECTROLYTIC 150μF/400V/M/25/30	CA2H151DYG18
C1613	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1614	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1701	CAP CERAMIC AXIAL 52 100000pF/50V/F/Z	CA1J104TU098
C1702	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1703	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1704	ELECTROLYTIC CAP. 100μF/25V M	CE1EMASDL101
C1705	CAP CERAMIC AXIAL 52 4700pF/50V/B/K	CA1J472TU097
C1706	CERAMIC CAP. B K 100pF/1KV	CCD3AKD0B101
C1707	ELECTROLYTIC CAP. 22μF/50V M	CE1JMASDL220
C1708	CAP CERAMIC AXIAL 52 100000pF/50V/F/Z	CA1J104TU098
C1709	CAP CERAMIC AXIAL 52 330pF/50V/B/K	CA1J331TU097
C1710	CAP CERAMIC AXIAL 52 100000pF/50V/F/Z	CA1J104TU098
C1711	METALIZED POLYESTER FILM CAP. 0.47μF/50V J	CT1J474DT040
C1712	CAP CERAMIC AXIAL 52 100000pF/50V/F/Z	CA1J104TU098
C1713	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C1714	CAP METALIZED FILM J0.039μF/630V/J/MPEF	CA2K393DT045

Ref. No.	Description	Part No.
C1715	CAP CERAMIC AXIAL 52 4700pF/50V/B/K	CA1J472TU097
C1716	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1717	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1718	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1720	POLYESTER FILM CAP. (PB FREE) 0.047μF/100V J	CA2A473DT018
C1722	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1723	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1724	CAP ELE STD-85 4700μF/35V SL	CE1GMZNDL472
C1725	CAP ELE STD-85 4700μF/35V SL	CE1GMZNDL472
C1726	CAP CERAMIC AXIAL 52 10000pF/50V/F/Z	CA1J104TU098
C1727	CAP ELE STD-85 4700μF/35V SL	CE1GMZNDL472
C1731	CAP CERAMIC AXIAL 52 10000pF/50V/F/Z	CA1J103TU098
C1801	ELECTROLYTIC CAP. 2200μF/35V M	CE1GMZNDL222
C1806	ELECTROLYTIC CAP. 2200μF/35V M	CE1GMZNDL222
C1807	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1811	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1812	CAP CERAMIC AXIAL 52 1000pF/50V/B/K	CA1J102TU097
CONNECTORS		
CN1501	CONNECTOR PRINT OSU 3 S B3P4-VH-L	J3VH030JG015
CN1601	CONNECTOR B2P3-VH(LF)(SN)	J3VH020JG001
CN1801	FFC CONNECTOR IMSA-9615S-11A-PP-A	JC96J11ER007
CN1803	CONNECTOR PRINT OSU B14B-PH-K-S(LF)(SN)	J3PHC14JG029
DIODES		
D1101	SCHOTTKY BARRIER DIODE SB160	NDWZ000SB160
D1102	DIODE ZENER 52 8V2BSB-T52	NDJB8R2BST52
D1103	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1104	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1106	DIODE FR104-B	NDL2000FR104
D1107	DIODE ZENER 52 9V1BSC-T52	NDJC9R1BST52
D1108	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
D1109	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D1110	DIODE ZENER 52 3V9BSB-T52	NDJB3R9BST52
D1205	DIODE 1N5399BE	NDL1001N5399
D1206	DIODE 1N5399BE	NDL1001N5399
D1207	DIODE 1N5399BE	NDL1001N5399
D1208	DIODE 1N5399BE	NDL1001N5399
D1209	DIODE ZENER 52 18BSB-T52	NDJB018BST52
D1210	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1211	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1212	DIODE ZENER 52 39BSB-T52	NDJB039BST52
D1213	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D1215	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1216	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1217	DIODE ZENER 52 16BSB-T52	NDJB016BST52
D1218	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1219	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1401	DIODE ZENER 52 18BSB-T52	NDJB018BST52
D1402	DIODE ZENER 52 24BSB-T52	NDJB024BST52
D1601▲	DIODE BRIDGE D10XB60-7000	QDWZ0D10XB60
D1602	DIODE ZENER 52 4V7BSB-T52	NDJB4R7BST52
D1603	DIODE ZENER 52 27BSB-T52	NDJB027BST52
D1604	DIODE FAST RECOVERY 30PFB60	QDWZ030PFB60
D1605	DIODE ZENER 52 27BSB-T52	NDJB027BST52
D1606	DIODE FAST RECOVERY 30PFB60	QDWZ030PFB60
D1607	DIODE ZENER 52 4V7BSB-T52	NDJB4R7BST52
D1703	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1704	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1705	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1706	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
D1707	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
D1708	DIODE ZENER 52 4V7BSB-T52	NDJB4R7BST52

Ref. No.	Description	Part No.
D1710	ZENER DIODE 52 MTZJT-7227B	QDJB00MTZJ27
D1712	DIODE ZENER 52 18BSB-T52	NDJB018BST52
D1713	DIODE ZENER 52 27BSB-T52	NDJB027BST52
D1714	DIODE SHOTTKY FCHS20A08	QDWZCHS20A08
D1715	DIODE SHOTTKY FCHS20A08	QDWZCHS20A08
D1716	DIODE ZENER 52 18BSB-T52	NDJB018BST52
D1719	DIO DE SWITCHING 52 HSS4148TA-E	QDJZ0HSS4148
D1720	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D1802	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
ICS		
IC1202▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC1401▲	IC DUAL-PHASE PFC CONTROLLER UCC28060DR	NSCA0T0TY005
IC1702	IC 0V-SWITCHING RESONANT CONVE TEA1611T/N1.518	NSCA0TNXP002
IC1703▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC1704▲	PHOTO COUPLER LTV817MBF	NPEBLTV817MF
IC1705▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
COILS		
L1101	CHOKE COIL 22μH-K	LLBD00PKV021
L1601▲	FILTER LLBG00ZY2015	LLBG00ZY2015
L1602▲	FILTER LLBG00ZY2015	LLBG00ZY2015
When you replace one of the below Coils on this CBA, please replace with the one that has same parts number. Do not mix different parts number's Coil.		
L1603▲	COIL EF 9702	LLEE0Z0KT001
L1604▲	COIL EF 9702	LLEE0Z0KT001
or		
L1603▲	COIL EF JLC2518	LLEE0Z0XB007
L1604▲	COIL EF JLC2518	LLEE0Z0XB007
TRANSISTORS		
Q1101	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1201	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1202	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1203▲	FET 2SK3757(Q)	QFWZ02SK3757
Q1204▲	TRANSISTOR 2SC2120-Q(TE2 F T)	QQS02SC2120F
Q1401	TRANSISTOR 2SC2120-Q(TE2 F T)	QQS02SC2120F
Q1402	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1403	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1404	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1601▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1602▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1701▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1702▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1703	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1704	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1705	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1706	TRANSISTOR KTA1267-GR-AT/P	NQS1KTA1267P
Q1707	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1708	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
RESISTORS		
R1103	RES CARBON FILM J 52 1/4W J 10 Ω	RCX4100T1004
R1104	CHIP RES. 1/10W J 270 Ω	RRXAJR5Z0271
R1105	RES CARBON FILM J 52 1/4W G 6.8k Ω	RCX4682T1005
R1106	RES CARBON FILM J 52 1/4W G 27k Ω	RCX4273T1005
R1107	CHIP RES. 1/10W F 3.3k Ω	RRXAFR5H3301
R1108	CHIP RES. 1/10W F 10k Ω	RRXAFR5H1002
R1109	RES CARBON FILM J 52 1/4W J 22 Ω	RCX4220T1004
R1206	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R1207	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R1208	RES CARBON FILM J 52 1/4W J 560 Ω	RCX4561T1004
R1209	RES CARBON FILM J 52 1/4W J 33k Ω	RCX4333T1004
R1210	CHIP RES. 1/10W J 220k Ω	RRXAJR5Z0224
R1211	CHIP RES. 1/10W F 1.0k Ω	RRXAFR5H1001

Ref. No.	Description	Part No.
R1212	CHIP RES. 1/10W F 4.3k Ω	RRXAFR5H4301
R1213	CHIP RES. 1/10W F 4.7k Ω	RRXAFR5H4701
R1214	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1215	RES CARBON FILM J 52 1/4W J 100 Ω	RCX4101T1004
R1216	RES CARBON FILM J 52 1/4W J 1k Ω	RCX4102T1004
R1217	RES CARBON FILM J 52 1/4W J 820k Ω	RCX4824T1004
R1218	RES CARBON FILM J 52 1/4W J 820k Ω	RCX4824T1004
R1219	RES CARBON FILM J 52 1/4W J 820k Ω	RCX4824T1004
R1220	RES CARBON FILM J 52 1/4W J 330 Ω	RCX4331T1004
R1221	RES CARBON FILM J 52 1/4W J 470k Ω	RCX4474T1004
R1222	RES CARBON FILM J 52 1/4W J 1.8k Ω	RCX4182T1004
R1223	RES CARBON FILM J 52 1/4W J 1k Ω	RCX4102T1004
R1224	RES. CARBON FILM J 1/2W J 3.9 Ω	RCX23R9T1003
R1225	RES CARBON FILM J 52 1/4W J 18k Ω	RCX4183T1004
R1226	RES CARBON FILM J 52 1/4W J 4.7k Ω	RCX4472T1004
R1227	RES CARBON FILM J 52 1/4W J 10k Ω	RCX4103T1004
R1228	METAL OXIDE FILM RES. 2W J 1 Ω	RN021R0ZU001
R1229	METAL OXIDE FILM RES. 2W J 56 Ω	RN02560ZU001
R1401	RES METALIZE FILM J 52 1/4W F 825k Ω	RDC8253HH005
R1402	RES METALIZE FILM J 52 1/4W F 825k Ω	RDC8253HH005
R1403	RES METALIZE FILM J 52 1/4W F 619k Ω	RDC6193HH005
R1404	RES METALIZE FILM J 52 1/4W F 619k Ω	RDC6193HH005
R1405	RES METALIZE FILM J 52 1/4W F 51.1k Ω	RDC5112HH006
R1406	RES METALIZE FILM J 52 1/4W F 121k Ω	RDC1213HH005
R1407	RES METALIZE FILM J 52 1/4W F 2.74k Ω	RDC2741HH006
R1409	RES METALIZE FILM J 52 1/4W F 5.62k Ω	RDC5621HH006
R1410	RES CARBON FILM J 52 1/4W J 470 Ω	RCX4471T1004
R1411	RES CARBON FILM J 52 1/4W J 3.3k Ω	RCX4332T1004
R1412	RES CARBON FILM J 52 1/4W J 10k Ω	RCX4103T1004
R1413	RES CARBON FILM J 52 1/4W J 4.7k Ω	RCX4472T1004
R1415	RES CARBON FILM J 52 1/4W J 4.7k Ω	RCX4472T1004
R1416	RES CARBON FILM J 52 1/4W J 39k Ω	RCX4393T1004
R1417	RES METALIZE FILM J 52 1/4W F 100k Ω	RDC1003HH005
R1418	RES METALIZE FILM J 52 1/4W F 100k Ω	RDC1003HH005
R1419	RES METALIZE FILM J 52 1/4W F 100k Ω	RDC1003HH005
R1420	RES METALIZE FILM J 52 1/4W F 26.7k Ω	RDC2672HH006
R1421	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1422	RES METALIZE FILM J 52 1/4W F 100k Ω	RDC1003HH005
R1423	RES CARBON FILM J 52 1/4W J 220k Ω	RCX4224T1004
R1424	RES CARBON FILM J 52 1/4W J 100 Ω	RCX4101T1004
R1425	RES METALIZE FILM J 52 1/4W F 825k Ω	RDC8253HH005
R1426	RES METALIZE FILM J 52 1/4W F 825k Ω	RDC8253HH005
R1427	RES METALIZE FILM J 52 1/4W F 619k Ω	RDC6193HH005
R1428	RES METALIZE FILM J 52 1/4W F 619k Ω	RDC6193HH005
R1429	RES METALIZE FILM J 52 1/4W F 21.0k Ω	RDC2102HH006
R1430	RES METALIZE FILM J 52 1/4W F 21.0k Ω	RDC2102HH006
R1431	RES METALIZE FILM J 52 1/4W F 825k Ω	RDC8253HH005
R1432	RES METALIZE FILM J 52 1/4W F 825k Ω	RDC8253HH005
R1433	RES METALIZE FILM J 52 1/4W F 619k Ω	RDC6193HH005
R1434	RES METALIZE FILM J 52 1/4W F 619k Ω	RDC6193HH005
R1435	RES METALIZE FILM J 52 1/4W F 33.2k Ω	RDC3322HH006
R1436	RES CARBON FILM J 52 1/4W J 4.7k Ω	RCX4472T1004
R1437	RES CARBON FILM J 52 1/4W J 470 Ω	RCX4471T1004
R1438	RES CARBON FILM J 52 1/4W J 3.3k Ω	RCX4332T1004
R1439	RES CARBON FILM J 52 1/4W J 2.2k Ω	RCX4222T1004
R1440	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1441	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1601▲	GLASS GLAZE RES. 1/2W J 1M Ω	RXX2JZLZ0105
R1602▲	GLASS GLAZE RES. 1/2W J 8.2M Ω	RXX2JZLZ0825
R1603	RES CARBON FILM J 52 1/4W J 20k Ω	RCX4203T1004
R1604	CEMENT RESISTOR 2W J 0.015 Ω	RWJL15PAK001
R1605	RES CARBON FILM J 52 1/4W J 4.7 Ω	RCX44R7T1004
R1606	RES CARBON FILM J 52 1/4W J 4.7 Ω	RCX44R7T1004

Ref. No.	Description	Part No.
R1607	RES CARBON FILM J 52 1/4W J 20k Ω	RCX4203T1004
R1608	GLASS GLAZE RES. 1/2W J 1M Ω	RXX2JZLZ0105
R1701	RES CARBON FILM J 52 1/4W J 10 Ω	RCX4100T1004
R1702	RES CARBON FILM J 52 1/4W J 10 Ω	RCX4100T1004
R1703	RES CARBON FILM J 52 1/4W J 10k Ω	RCX4103T1004
R1704	RES CARBON FILM J 52 1/4W J 3.3k Ω	RCX4332T1004
R1705	RES CARBON FILM J 52 1/4W J 39k Ω	RCX4393T1004
R1706	RES CARBON FILM J 52 1/4W J 470 Ω	RCX4471T1004
R1707	RES CARBON FILM J 52 1/4W J 1k Ω	RCX4102T1004
R1708	RES CARBON FILM J 52 1/4W J 68k Ω	RCX4683T1004
R1709	RES CARBON FILM J 52 1/4W J 1k Ω	RCX4102T1004
R1710	RES CARBON FILM J 52 1/4W J 10k Ω	RCX4103T1004
R1711	RES CARBON FILM J 52 1/4W J 33k Ω	RCX4333T1004
R1712	RES CARBON FILM J 52 1/4W J 68k Ω	RCX4683T1004
R1713	RES CARBON FILM J 52 1/4W J 47 Ω	RCX4470T1004
R1714	RES CARBON FILM J 52 1/4W J 10k Ω	RCX4103T1004
R1715	RES CARBON FILM J 52 1/4W J 22k Ω	RCX4223T1004
R1716	RES CARBON FILM J 52 1/4W J 47k Ω	RCX4473T1004
R1717	RES CARBON FILM J 52 1/4W J 2.2k Ω	RCX4222T1004
R1718	RES CARBON FILM J 52 1/4W J 47 Ω	RCX4470T1004
R1719	CEMENT RESISTOR 2W J 0.18 Ω	RWJR18PAK001
R1720	CEMENT RESISTOR 2W J 0.18 Ω	RWJR18PAK001
R1722	RES CARBON FILM J 52 1/4W J 10k Ω	RCX4103T1004
R1724	RES CARBON FILM J 52 1/4W J 10k Ω	RCX4103T1004
R1725	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R1726	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R1727	CHIP RES. 1/10W J 5.1k Ω	RRXAJR5Z0512
R1728	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R1729	CHIP RES. 1/10W J 220 Ω	RRXAJR5Z0221
R1730	RES CARBON FILM J 52 1/4W J 82 Ω	RCX4820T1004
R1731	CHIP RES. 1/10W J 2.7k Ω	RRXAJR5Z0272
R1732	RES CARBON FILM J 52 1/4W J 3.9k Ω	RCX4392T1004
R1733	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1734	CHIP RES. 1/10W F 4.3k Ω	RRXAFR5H4301
R1735	RES CARBON FILM J 52 1/4W G 6.8k Ω	RCX4682T1005
R1736	RES CARBON FILM J 52 1/4W G 8.2k Ω	RCX4822T1005
R1737	CHIP RES. 1/10W F 2.2k Ω	RRXAFR5H2201
R1738	CHIP RES. 1/10W J 2.7k Ω	RRXAJR5Z0272
R1739	CHIP RES. 1/10W J 390 Ω	RRXAJR5Z0391
R1740	RES CARBON FILM J 52 1/4W J 22k Ω	RCX4223T1004
R1741	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R1742	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R1743	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R1744	RES CARBON FILM J 52 1/4W J 2.2k Ω	RCX4222T1004
R1745	RES CARBON FILM J 52 1/4W J 2.2k Ω	RCX4222T1004
R1801	CHIP RES. 1/10W J 470 Ω	RRXAJR5Z0471
R1802	CHIP RES. 1/10W F 33.0k Ω	RRXAFR5H3302
R1803	CHIP RES. 1/10W F 6.8k Ω	RRXAFR5H6801
R1804	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R1805	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
MISCELLANEOUS		
B20	HEAT SINK EAL ASSEMBLY A81H0UH	1EM424648
B21	POW HEAT SINK A7120UH	1EM423993
B22	HEAT SINK EAK ASSEMBLY A81H0UH	1EM424646A
B23	HEAT SINK EAJ ASSEMBLY A81H0UH	1EM424644
BC1201	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1501	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1601	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1602	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1603	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1604	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1605	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030

Ref. No.	Description	Part No.
BC1606	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1607	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1608	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1701	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1702	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
F1601▲	FUSE 8A/250V(PB FREE) 0215008.MXP	PBGZ20BAG022
FH1601	FUSE HOLDER MSF-015 LF (B110)	XH01Z00LY002
FH1602	FUSE HOLDER MSF-015 LF (B110)	XH01Z00LY002
JS1902	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L8	SCREW B-TIGHT D3X8 BIND HEAD+	GBJB3080
RL1201▲	RELAY SDT-SS-105DM	MRLEC05QN001
SA1601▲	SURGE ABSORBER 470V+-10PER	NVQZ10D471KB
SA1603▲	SURGE ABSORBER 470V+-10PER	NVQZ10D471KB
T1201▲	TRANS POWER 9705	LTT1PC0KT003
T1701▲	TRANS INV SRX40ER-P240000G8501	LTZ4PZ0TE001

ELECTRICAL PARTS LIST

[42PFL3704D/F7 (Serial No. : YA2A*****)]

PRODUCT SAFETY NOTE: Products marked with a  have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTES:

- Parts that are not assigned part numbers (-----) are not available.
- Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25% D.....±0.5% F.....±1%
 G.....±2% J.....±5% K.....±10%
 M.....±20% N.....±30% Z.....+80/-20%

DIGITAL MAIN CBA UNIT

Ref. No.	Description	Part No.
	DIGITAL MAIN CBA UNIT	A91H9MMA-005

JACK ASSEMBLY

Ref. No.	Description	Part No.
	JACK ASSEMBLY Consists of the following:	A91H5MJC-002
	JACK POWER CBA	A91H5MJC-002-JK
	----- FUNCTION CBA IR SENSOR CBA JUNCTION CBA	A91H5MJC-002-FNIRJN

JACK POWER CBA

Ref. No.	Description	Part No.
	JACK POWER CBA Consists of the following:	-----
CAPACITORS		
C101	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C104	CHIP CERAMIC CAP.(1608) CH J 47pF/50V	CHD1JJ3CH470
C105	ELECTROLYTIC CAP. 10µF/50V M	CE1JMASDL100
C106	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C107	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C108	CHIP CERAMIC CAP.(1608) CH J 47pF/50V	CHD1JJ3CH470
C109	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C110	ELECTROLYTIC CAP. 1000µF/6.3V M	CE0KMZNDL102
C111	CHIP CERAMIC CAP. CH J 220pF/50V	CHD1JJ3CH221
C201	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C202	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C203	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C204	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C205	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C206	ELECTROLYTIC CAP. 220µF/6.3V M	CE0KMZNDL221
C213	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
C401	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C402	ELECTROLYTIC CAP. 47µF/25V M	CE1EMASDL470
C403	ELECTROLYTIC CAP. 10µF/50V M H7	CE1JMAVSL100

Ref. No.	Description	Part No.
C404	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C405	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C406	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C407	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C410	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C411	CHIP CERAMIC CAP.(1608) B K 2.2µF/10V	CHD1AK30B225
C412	ELECTROLYTIC CAP. 330µF/16V M	CE1CMASDL331
C413	ELECTROLYTIC CAP. 330µF/10V M	CE1AMASDL331
C503	CHIP CERAMIC CAP. F Z 0.01µF/50V	CHD1JZ30F103
C601	METALIZED FILM CAP. 0.0033µF/1.6KV J	CT3C332F7004
C602	CAP ELECTROLYTIC 100µF/400V/M/22/25	CA2H101DYG17
C603	POLYESTER FILM CAP. (PB FREE) 0.047µF/100V J	CA2A473DT018
C604	CERAMIC CAP. RB 100pF/2KV	CA3D101TE006
C605	POLYESTER FILM CAP. (PB FREE) 0.001µF/100V J	CA2A102DT018
C606	POLYESTER FILM CAP. (PB FREE) 0.1µF/100V J	CA2A104DT018
C607	POLYESTER FILM CAP. (PB FREE) 0.0022µF/100V J	CA2A222DT018
C610	 SAFTY CAP. 2200pF/250V KX	CA2E222MR101
C612	POLYESTER FILM CAP. (PB FREE) 0.0022µF/100V J	CA2A222DT018
C614	ELECTROLYTIC CAP 3300µF/25V M	CE1EMZNDL332
C615	ELECTROLYTIC CAP 3300µF/25V M	CE1EMZNDL332
C617	ELECTROLYTIC CAP. 220µF/50V M	CE1JMASDL221
C618	ELECTROLYTIC CAP. 4700µF/10V M	CE1AMZNDL472
C619	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMASDL102
C620	CAP ALUMINUM ELECTOLYTIC 2200µF/6.3V M	CE0KMZNDL222
C621	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMASDL102
C622	ELECTROLYTIC CAP. 470µF/25V M	CE1EMASDL471
C623	CAP CERAMIC (AX) 0.01µF/50V/B/K	CA1J103TU061
C624	ELECTROLYTIC CAP. 470µF/25V M	CE1EMASDL471
C625	ELECTROLYTIC CAP. 10µF/50V M	CE1JMASDL100
C626	ELECTROLYTIC CAP. 100µF/16V M	CE1CMASDL101
C628	ELECTROLYTIC CAP. 1000µF/10V M	CE1AMASDL102
C629	ELECTROLYTIC CAP 3300µF/6.3V M	CE0KMZNDL332
C630	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C631	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASDL1R0
C633	ELECTROLYTIC CAP. 330µF/50V M	CE1JMZNDL331
C634	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V	CHD1JZ30F104
C635	ELECTROLYTIC CAP. 100µF/10V M	CE1AMASDL101
C636	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C637	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C638	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C639	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C640	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C641	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C642	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C643	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V	CHD1EZ30F104
C644	CHIP CERAMIC CAP.(1608) B K 5600pF/50V	CHD1JK30B562
C645	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C646	CHIP CERAMIC CAP.(2125) F Z 10µF/10V	CHE1AZ30F106
C647	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C648	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C701	CHIP CERAMIC CAP. F Z 1µF/10V	CHD1AZ30F105
C703	CHIP CERAMIC CAP. F Z 1µF/10V	CHD1AZ30F105
C704	ELECTROLYTIC CAP. 10µF/50V M H7	CE1JMAVSL100
C705	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103

Ref. No.	Description	Part No.
C706	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C707	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C708	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C709	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C711	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C713	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C714	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C715	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C716	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C717	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C719	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C720	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C721	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C722	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C723	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C731	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C733	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C740	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C741	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C742	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C743	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C744	CHIP CERAMIC CAP. CH J 39pF/50V	CHD1JJ3CH390
C745	CHIP CERAMIC CAP. F Z 0.47μF/16V	CHD1CZ30F474
C746	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C747	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C750	CHIP CERAMIC CAP.(1608) B K 3300pF/50V	CHD1JK30B332
C751	CHIP CERAMIC CAP.(1608) B K 3300pF/50V	CHD1JK30B332
C752	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
C801	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C802	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
C803	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C804	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C805	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C806	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C807	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C808	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C809	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C810	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C811	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C812	CHIP CERAMIC CAP.(1608) B K 0.47μF/16V	CHD1CK30B474
C813	ELECTROLYTIC CAP. 470μF/25V M	CE1EMASDL471
C816	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C817	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C818	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C819	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C820	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C821	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C822	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C823	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C824	ELECTROLYTIC CAP. 470μF/25V M	CE1EMASDL471
C825	CHIP CERAMIC CAP.(1608) B K 1μF/25V	CHD1EK30B105
C826	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C827	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C828	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C829	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C830	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C832	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C833	CHIP CERAMIC CAP.(1608) B K 2.2μF/10V	CHD1AK30B225
C834	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C835	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C836	ELECTROLYTIC CAP. 100μF/16V M H7	CE1CMAVSL101
C837	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C839	ELECTROLYTIC CAP. 4.7μF/50V M H7	CE1JMAVSL4R7

Ref. No.	Description	Part No.
C840	ELECTROLYTIC CAP. 4.7μF/50V M H7	CE1JMAVSL4R7
C841	CHIP CERAMIC CAP.(1608) CH J 1000pF/50V	CHD1JJ3CH102
C843	ELECTROLYTIC CAP. 100μF/25V M	CE1EMASDL101
C847	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C848	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C849	CHIP CERAMIC CAP.(1608) B K 0.47μF/16V	CHD1CK30B474
C851	ELECTROLYTIC CAP. 3.3μF/50V M	CE1JMASDL3R3
C852	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
C853	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C854	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C855	CHIP CERAMIC CAP. F Z 1μF/10V	CHD1AZ30F105
C856	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C863	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C864	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C865	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C866	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C867	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C868	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C869	CHIP CERAMIC CAP.(1608) B K 0.1μF/25V	CHD1EK30B104
CONNECTORS		
CN201	FFC CONNECTOR IMSA-9615S-29A-PP-A	JC96J29ER007
CN202	FFC CONNECTOR IMSA-9615S-29A-PP-A	JC96J29ER007
CN203	242 SERIES CONNECTOR 224202108W1	J322C08TG001
CN601	WIRE ASSEMBLY 3PIN 3PIN/120MM	WX1A94H0-213
CN801	PH CONNECTOR TOP 2P B2B-PH-K-S (LF)(SN)	J3PHC02JG029
CN802	CONNECTOR BASE 2P(EH) B 2B-EH-A(LF)(SN)	J3EHC02JG010
CN901	FFC CONNECTOR IMSA-9615S-11A-PP-A	JC96J11ER007
DIODES		
D201	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D501	DIODE ZENER HZS5.1NB2TA-EQ	QDJB0HZS5R1N
D502	DIODE ZENER HZS5.1NB2TA-EQ	QDJB0HZS5R1N
D503	DIODE ZENER HZS5.1NB2TA-EQ	QDJB0HZS5R1N
D504	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D505	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D506	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D507	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D508	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D509	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D511	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D512	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D601	DIODE SCHOTTKY BARRIER 1H8-A2	NDTZ0001H8A2
D602	DIODE ZENER HZS20NB2TA-EQ	QDJBH2S20NB2
D603	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D604	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D606	DIODE ZENER HZS5.6NB2TA-EQ	QDJB0HZS5R6N
D607	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D608	DIODE SCHOTTKY BARRIER 1H8-A2	NDTZ0001H8A2
D609▲	DIODE ZENER HZS39NB2TA-EQ	QDJBH2S39NB2
D610▲	DIODE ZENER HZS27NB2TA-EQ	QDJBH2S27NB2
D611	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D612	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D613	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D615	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D616	DIODE ZENER 1ZB22BB	NDWZ0001ZB22
D617	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D618	DIODE FR154	NDLZ000FR154
D619	DIODE ZENER 1ZB47BB	NDWZ0001ZB47
D620	DIODE SCHOTTKY SB360BH	NDWZ000SB360
D621	SCHOTTKY BARRIER DIODE SB190	NDWZ000SB190
D622	SCHOTTKY BARRIER DIODE SB340	NDWZ000SB340
D623	DIODE SCHOTTKY SB360BH	NDWZ000SB360

Ref. No.	Description	Part No.
D624	DIODE SCHOTTKY SB3150BH	NDWZ00SB3150
D625	SCHOTTKY BARRIER DIODE SMD SK34	ND1Z0000SK34
D626	DIODE ZENER 1ZB22BB	NDWZ0001ZB22
D627	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D628	DIODE ZENER HZS8.2NB2TA-EQ	QDJB0HZS8R2N
D631	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D632	DIODE ZENER HZS33NB1TA-EQ	QDJAHS33NB1
D635	DIODE FR104-B	NDLZ000FR104
D636	DIODE ZENER HZS36NB2TA-EQ	QDJBHVS36NB2
D637	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D638	SHUNT REGULATOR KIA431B-AT/P	NSZBA0TJY038
D639	DIODE ZENER HZS11NB2TA-EQ	QDJBHVS11NB2
D640	DIODE ZENER HZS3.9NB2TA-EQ	QDJB0HZS3R9N
D801	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D802	DIODE ZENER HZS20NB2TA-EQ	QDJBHVS20NB2
D803	DIODE ZENER HZS20NB2TA-EQ	QDJBHVS20NB2
D804	DIODE ZENER HZS20NB2TA-EQ	QDJBHVS20NB2
D805	DIODE ZENER HZS20NB2TA-EQ	QDJBHVS20NB2
D806	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D807	DIODE ZENER HZS18NB2TA-EQ	QDJBHVS18NB2
ICS		
IC401	IC WIED BROADWIDTH AV SW BH7645KS2	QSCA0R0RM008
IC601▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC602	IC REGULATOR BD9322EFJ-E2	QSCA0T0RM004
IC801	IC D-AMP BD5426EFS-E2	QSZBA0TRM137
IC803	IC OP AMP NJM4558M(Te1)-#ZZZB	QSZBA0TJR089
COILS		
L101	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
L102	CHIP INDUCTOR LK1608R22K-T	LLACKB3TUR22
L104	CHIP INDUCTOR LK1608R22K-T	LLACKB3TUR22
L105	INDUCTOR 33μH-K-5FT	LLARKBSTU330
L401	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L402	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L601	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L602	CHOKER COIL 22μH-K	LLBD00PKV021
L603	CHOKER COIL 47μH	LLBD00PKV022
L801	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L802	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L803	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L804	COIL RADIAL LHLP10NB330M 33μH	LLF3300TU003
L805	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
TRANSISTORS		
Q201	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q501	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q601▲	MOS FET 2SK3798(Q.M)	QFQZSK3798QM
Q602▲	NPN TRANSISTOR 2SC5344O-AT	NQS002SC5344
Q603	TRANSISTOR 2SC2120-O(Te2 F T)	QQS02SC2120F
Q604	NPN TRANSISTOR POWER 2SC4881F HFE MAX320	QQWZ2SC4881F
Q605	NPN TRANSISTOR POWER 2SC4881F HFE MAX320	QQWZ2SC4881F
Q702	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q703	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q704	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q801	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q802	TRANSISTOR KTA1267-GR-AT/P	NQS1KTA1267P
Q803	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q804	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
RESISTORS		
R101	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R102	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R103	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R104	CHIP RES. 1/10W J 47 Ω	RRXAJR5Z0470

Ref. No.	Description	Part No.
R105	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R110	CHIP RES. 1/10W J 47 Ω	RRXAJR5Z0470
R113	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R114	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R115	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R202	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R206	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R207	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R401	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R402	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R403	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R404	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R405	RES CARBON FILM T 1/4W J 33k Ω	RCX4333T1001
R406	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R407	RES CARBON FILM T 1/4W J 33k Ω	RCX4333T1001
R503	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R504	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R505	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R506	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R507	CHIP RES. 1/10W J 2.2k Ω	RRXAJR5Z0222
R508	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R511	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R512	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R513	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R601	METAL OXIDE FILM RES. 2W J 100k Ω	RN02104ZU001
R602	METAL OXIDE FILM RES. 2W J 100k Ω	RN02104ZU001
R603	RES CARBON FILM T 1/4W J 470k Ω	RCX4474T1001
R604	RES CARBON FILM T 1/4W J 470k Ω	RCX4474T1001
R605	RES CARBON FILM T 1/4W J 470k Ω	RCX4474T1001
R606	RES CARBON FILM T 1/4W J 470k Ω	RCX4474T1001
R607	RES CARBON FILM T 1/4W J 120 Ω	RCX4121T1001
R608	RES CARBON FILM T 1/4W J 120 Ω	RCX4121T1001
R610	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R611	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R612	RES CARBON FILM T 1/4W J 1.2k Ω	RCX4122T1001
R613	RES CARBON FILM T 1/4W J 390 Ω	RCX4391T1001
R614	METAL OXIDE FILM RES. 2W J 1 Ω	RN021R0ZU001
R615	RES CARBON FILM T 1/4W J 150 Ω	RCX4151T1001
R617	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R618	RES CARBON FILM T 1/4W J 82 Ω	RCX4820T1001
R619	RES CARBON FILM T 1/4W G 1.2k Ω	RCX4122T1002
R620	RES CARBON FILM T 1/4W G 10k Ω	RCX4103T1002
R621	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R622	RES CARBON FILM T 1/4W G 2.7k Ω	RCX4272T1002
R624	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R625	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R626	RES CARBON FILM T 1/4W J 1.2k Ω	RCX4122T1001
R627	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R628	METAL OXIDE FILM RES. 2W J 0.27 Ω	RN02R27ZU001
R630	RES CARBON FILM T 1/4W J 22 Ω	RCX4220T1001
R631	METAL RESISTOR. 2W J 0.56 Ω	RN02R56ZU001
R632	CHIP RES. 1/10W F 10k Ω	RRXAFR5H1002
R633	RES CARBON FILM T 1/4W J 68 Ω	RCX4680T1001
R634	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R635	CHIP RES. 1/10W F 3.6k Ω	RRXAFR5H3601
R636	METAL RESISTOR. 2W J 0.56 Ω	RN02R56ZU001
R638	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R639	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R640	RES. CARBON FILM J 1/2W J 820 Ω	RCX2821T1003
R641	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R642	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R643	RES CARBON FILM T 1/4W J 220 Ω	RCX4221T1001
R644	RES CHIP.(1608) 1/10W D 10k Ω	RRXADR5H1002

Ref. No.	Description	Part No.
R645	RES CHIP.(1608) 1/10W D 10k Ω	RRXADR5H1002
R646	RES CHIP.(1608) 1/10W D 1.1k Ω	RRXADR5H1101
R647	RES CARBON FILM T 1/4W J 390 Ω	RCX4391T1001
R648	CHIP RES. 1/10W J 8.2k Ω	RRXAJR5Z0822
R649	RES CARBON FILM T 1/4W G 15k Ω	RCX4153T1002
R650	CHIP RES. 1/10W F 5.1k Ω	RRXAFR5H5101
R651	METAL OXIDE FILM RES 2W J 330 Ω	RN02331ZU001
R652	METAL OXIDE FILM RES 2W J 330 Ω	RN02331ZU001
R654	RES CARBON FILM T 1/4W J 560 Ω	RCX4561T1001
R655	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R656	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R657	METAL OXIDE FILM RES 2W J 330 Ω	RN02331ZU001
R658	CHIP RES. 1/10W F 270 Ω	RRXAFR5H2700
R701	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R702	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R704	CHIP RES. 1/10W J 220 Ω	RRXAJR5Z0221
R705	CHIP RES. 1/10W J 110 Ω	RRXAJR5Z0111
R706	CHIP CERAMIC CAP.(1608) CH J 100pF/50V	CHD1JJ3CH101
R707	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R709	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R710	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R711	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R712	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R713	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R714	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R715	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R717	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R718	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R720	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R721	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R723	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R725	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R726	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R729	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R730	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R731	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R732	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R733	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R740	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R741	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R743	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R744	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R752	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
R753	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R754	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
R755	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R756	CHIP RES. 1/10W J 68 Ω	RRXAJR5Z0680
R757	CHIP RES. 1/10W J 10 Ω	RRXAJR5Z0100
R759	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R760	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R762	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R763	CHIP RES. 1/10W J 33k Ω	RRXAJR5Z0333
R764	CHIP RES. 1/10W J 560 Ω	RRXAJR5Z0561
R765	CHIP RES. 1/10W J 560 Ω	RRXAJR5Z0561
R766	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R767	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R768	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R769	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R770	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R771	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R772	CHIP RES. 1/10W J 75 Ω	RRXAJR5Z0750
R801	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R802	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332

Ref. No.	Description	Part No.
R804	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R805	CHIP RES. 1/10W F 27k Ω	RRXAFR5H2702
R806	CHIP RES. 1/10W F 11k Ω	RRXAFR5H1102
R807	CHIP RES. 1/10W F 11k Ω	RRXAFR5H1102
R809	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R810	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R813	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R816	CHIP RES. 1/10W J 15k Ω	RRXAJR5Z0153
R817	CHIP RES. 1/10W J 5.6k Ω	RRXAJR5Z0562
R818	RES CARBON FILM T 1/4W J 2.2 Ω	RCX42R2T1001
R819	RES CARBON FILM T 1/4W J 2.2 Ω	RCX42R2T1001
R820	RES CARBON FILM T 1/4W J 2.2 Ω	RCX42R2T1001
R821	RES CARBON FILM T 1/4W J 2.2 Ω	RCX42R2T1001
R822	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R823	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R825	RES CARBON FILM T 1/4W J 39k Ω	RCX4393T1001
R826	RES CARBON FILM T 1/4W J 100k Ω	RCX4104T1001
R827	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R828	CHIP RES. 1/10W J 20k Ω	RRXAJR5Z0203
R829	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R830	RES CARBON FILM T 1/4W J 100k Ω	RCX4104T1001
R831	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R833	CHIP RES. 1/10W J 39k Ω	RRXAJR5Z0393
R834	CHIP RES. 1/10W J 20k Ω	RRXAJR5Z0203
R837	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R838	RES CARBON FILM T 1/4W J 22k Ω	RCX4223T1001
R839	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R851	CHIP RES. 1/10W J 15k Ω	RRXAJR5Z0153
R852	CHIP RES. 1/10W J 5.6k Ω	RRXAJR5Z0562
R853	CHIP RES. 1/10W J 100k Ω	RRXAJR5Z0104
R854	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R866	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R902	CHIP RES. 1/10W J 470 Ω	RRXAJR5Z0471
MISCELLANEOUS		
B21	POW HEAT SINK A7120UH	1EM423993
B24	HEAT SINK PLT ASSEMBLY L0700UJ	1EM423290
BC601	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC603	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC701	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
BC702	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC801	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC804	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC805	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC806	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC807	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
CL301	WIRE ASSEMBLY 4PIN 4PIN/240MM	WX1A91H2-211
CL302	WIRE ASSEMBLY 8PIN 8PIN/910MM	WX1A94H0-001
JK701	JACK RCA PCB S ORANGE 01/RCA-101H(OR)	JXRJ010YUQ06
JK702	JACK SW DIN PCB S 04/DIN-417HA-01	JYEJ040YUQ03
JK703	JACK RCA PCB S YELLOW 01/RCA-101H(YL)	JXRJ010YUQ05
JK704	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK705	JACK SW RCA PCB S RED RCA-102H(RD)	JYRJ010YUQ03
JK706	JACK SW DIN PCB L DIN-435C(777D)	JYEL040YUQ03
JK707	JACK RCA PCB L RCA-101S(1)-03	JXRL010YUQ12
JK708	JACK RCA PCB L RCA-101S(1)-04	JXRL010YUQ13
JK709	JACK SW RCA PCB L RCA-102F(RD)	JYRL010YUQ05
JK712	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK713	JACK SW RCA PCB S RED RCA-102H(RD)	JYRJ010YUQ03
JK717	JACK RCA PCB S GREEN 01/RCA-101H(GN)	JXRJ010YUQ03
JK718	JACK RCA PCB S BLUE 01/RCA-101H(BL)	JXRJ010YUQ04
JK719	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JK720	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02

Ref. No.	Description	Part No.
JK721	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JK722	JACK RCA PCB S WHITE 01/RCA-101H(WH)	JXRJ010YUQ02
JK723	JACK RCA PCB S RED 01/RCA-101H(RD)	JXRJ010YUQ01
JS202	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
JS801	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
L8	SCREW B-TIGHT D3X8 BIND HEAD+	GBJB3080
T601▲	TRANS POWER 9706	LTT3PC0KT056
TU101	TUNER UNIT ATSC/NTSC/QAM UC020AF	UTUNNTUSP035

FUNCTION CBA

Ref. No.	Description	Part No.
	FUNCTION CBA Consists of the following:	-----
CAPACITORS		
C351	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C352	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
DIODE		
D351	DIODE ZENER HZS5.6NB2TA-EQ	QDJB0HZS5R6N
RESISTORS		
R351	RES CARBON FILM T 1/4W G 12k Ω	RCX4123T1002
R352	RES CARBON FILM T 1/4W G 8.2k Ω	RCX4822T1002
R353	RES CARBON FILM T 1/4W G 4.7k Ω	RCX4472T1002
R354	RES CARBON FILM T 1/4W G 2.7k Ω	RCX4272T1002
R355	RES CARBON FILM T 1/4W G 4.7k Ω	RCX4472T1002
R356	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R357	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
SWITCHES		
SW351	TACT SWITCH SKQSAB	SST0101AL038
SW352	TACT SWITCH SKQSAB	SST0101AL038
SW353	TACT SWITCH SKQSAB	SST0101AL038
SW354	TACT SWITCH SKQSAB	SST0101AL038
SW355	TACT SWITCH SKQSAB	SST0101AL038
SW357	TACT SWITCH SKQSAB	SST0101AL038

IR SENSOR CBA

Ref. No.	Description	Part No.
	IR SENSOR CBA Consists of the following:	-----
CAPACITORS		
C301	ELECTROLYTIC CAP. 47μF/16V M H7	CE1CMAVSL470
C302	CHIP CERAMIC CAP.(1608) CH J 270pF/50V	CHD1JJ3CH271
C303	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C305	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V	CHD1JZ30F104
C307	CHIP CERAMIC CAP.(1608) F Z 0.1μF/25V	CHD1EZ30F104
DIODE		
D302	LED (WHITE) SLR343WBC7T3XM	QPWM343WBC7T
RESISTORS		
R301	RES CARBON FILM T 1/4W J 100 Ω	RCX4101T1001
R302	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R304	CHIP RES. 1/10W J 2.2k Ω	RRXAJR5Z0222
R305	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
RS301	SENSOR REMOTE RECEIVER KSM-712TH2E	USESJR5SKK044

JUNCTION CBA

Ref. No.	Description	Part No.
	JUNCTION CBA Consists of the following:	-----
CONNECTOR		
CN302	242 SERIES CONNECTOR TUC-P08X-B1 WHT ST	JCTUB08TG002

INVERTER POWER CBA

Ref. No.	Description	Part No.
	INVERTER POWER CBA Consists of the following:	A91H9M1V-002
CAPACITORS		
C1101	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C1103	ELECTROLYTIC CAP. 1000μF/10V M	CE1AMASDL102
C1104	ELECTROLYTIC CAP. 100μF/10V M	CE1AMASDL101
C1112	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1201	ELECTROLYTIC CAP 47μF/350V M	CE2GMZPDL470
C1206▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1207	POLYESTER FILM CAP. (PB FREE) 0.047μF/100V J	CA2A473DT018
C1208	CERAMIC CAP. 560pF/2KV	CA3D561PAN04
C1209	POLYESTER FILM CAP. (PB FREE) 0.0018μF/100V J	CA2A182DT018
C1210	CAP POLYESTER FILM 0.0056μF/100V J	CA2A562SER02
C1211	CAP POLYESTER FILM 0.0068μF/100V J	CA2A682SER02
C1212	CAP POLYESTER FILM 0.0033μF/100V J	CA2A332SER02
C1213	CAP CERAMIC (AX) 0.1μF/50V/B/K	CA1J104TU061
C1401	POLYESTER FILM CAP. (PB FREE) 0.01μF/100V J	CA2A103DT018
C1402	METALIZED POLYESTER FILM CAP. 2.2μF/50V J	CT1J225DT040
C1403	CAP POLYESTER FILM 0.22μF/100V J	CA2A224SER02
C1404	CAP METALIZED FILM 2.7μF 50V J	CT1J275DT039
C1405	CAP CERAMIC (AX) 1200pF/50V/B/K	CA1J122TU061
C1406	POLYESTER FILM CAP. (PB FREE) 0.001μF/100V J	CA2A102DT018
C1407	POLYESTER FILM CAP. (PB FREE) 0.0012μF/100V J	CA2A122DT018
C1408	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1409	CAP CERAMIC (AX) 0.1μF/50V/B/K	CA1J104TU061
C1410	CAP CERAMIC (AX) 0.022μF/50V/B/K	CA1J223TU061
C1411	ELECTROLYTIC CAP. 100μF/25V M	CE1EMASDL101
C1412	CAP CERAMIC (AX) 0.01μF/50V/F/Z	CA1J103TU062
C1413	POLYESTER FILM CAP. (PB FREE) 0.001μF/100V J	CA2A102DT018
C1414	CAP CERAMIC (AX) 1200pF/50V/B/K	CA1J122TU061
C1415	CAP CERAMIC (AX) CH 22pF/50V	CA1J220TU059
C1416	CAP CERAMIC (AX) CH 22pF/50V	CA1J220TU059
C1601▲	CAP METALIZED FILM 0.22μF/300V K 3.5MM	CT2F224DC004
C1602▲	CAP METALIZED FILM 1.0μF/300V K 3.5MM	CT2F105DC004
C1603▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1604▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1607	CAP METALIZED FILM J1.0μF/630V/J/MPEF	CA2K105DT048
C1610▲	CAP METALIZED FILM 0.22μF/300V K 3.5MM	CT2F224DC004
C1611▲	SAFTY CAP. 1000pF/250V KX	CA2E102MR101
C1612	CAP ELECTROLYTIC 150μF/400V/M/25/30	CA2H151DYG18
C1613	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1614	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1701	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
C1702	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1703	CERAMIC CAP. RB 330pF/2KV	CA3D331TE006
C1704	ELECTROLYTIC CAP. 100μF/25V M	CE1EMASDL101
C1705	CAP CERAMIC (AX) 4700pF/50V/B/K	CA1J472TU061
C1706	CERAMIC CAP. B K 100pF/1KV	CCD3AKD0B101
C1707	ELECTROLYTIC CAP. 22μF/50V M	CE1JMASDL220
C1708	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
C1709	CAP CERAMIC (AX) 330pF/50V/B/K	CA1J331TU061
C1710	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
C1711	METALIZED POLYESTER FILM CAP. 0.47μF/50V J	CT1J474DT040
C1712	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
C1713	ELECTROLYTIC CAP. 47μF/25V M	CE1EMASDL470
C1714	CAP METALIZED FILM J0.039μF/630V/J/MPEF	CA2K393DT045

Ref. No.	Description	Part No.
C1715	CAP CERAMIC (AX) 4700pF/50V/B/K	CA1J472TU061
C1716	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1717	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1718	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1720	POLYESTER FILM CAP. (PB FREE) 0.047μF/100V J	CA2A473DT018
C1722	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1723	CHIP CERAMIC CAP. F Z 0.01μF/50V	CHD1JZ30F103
C1724	CAP ELE STD-85 4700μF/35V SL	CE1GMZNDL472
C1725	CAP ELE STD-85 4700μF/35V SL	CE1GMZNDL472
C1726	CAP CERAMIC (AX) 0.1μF/50V/F/Z	CA1J104TU062
C1727	CAP ELE STD-85 4700μF/35V SL	CE1GMZNDL472
C1731	CAP CERAMIC (AX) 0.01μF/50V/F/Z	CA1J103TU062
C1801	ELECTROLYTIC CAP. 2200μF/35V M	CE1GMZNDL222
C1806	ELECTROLYTIC CAP. 2200μF/35V M	CE1GMZNDL222
C1807	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1811	ELECTROLYTIC CAP. 10μF/50V M	CE1JMASDL100
C1812	CAP CERAMIC (AX) 1000pF/50V/B/K	CA1J102TU061
CONNECTORS		
CN1501	CONNECTOR PRINT OSU 3 S B3P4-VH-L	J3VH030JG015
CN1601	CONNECTOR B2P3-VH(LF)(SN)	J3VH020JG001
CN1801	FFC CONNECTOR IMSA-9615S-11A-PP-A	JC96J11ER007
CN1803	CONNECTOR PRINT OSU B14B-PH-K-S(LF)(SN)	J3PHC14JG029
CN1804	PH CONNECTOR TOP 10P B10B-PH-K-S(LF)(SN)	J3PHC10JG029
DIODES		
D1101	SCHOTTKY BARRIER DIODE SB160	NDWZ000SB160
D1102	DIODE ZENER HZS8.2NB2TA-EQ	QDJB0HZS8R2N
D1103	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1104	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1106	DIODE FR104-B	NDL2000FR104
D1107	DIODE ZENER HZS9.1NB3TA-EQ	QDJC0HZS9R1N
D1108	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
D1109	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D1110	DIODE ZENER HZS3.9NB2TA-EQ	QDJB0HZS3R9N
D1205	DIODE 1N5399BE	NDL1001N5399
D1206	DIODE 1N5399BE	NDL1001N5399
D1207	DIODE 1N5399BE	NDL1001N5399
D1208	DIODE 1N5399BE	NDL1001N5399
D1209	DIODE ZENER HZS18NB2TA-EQ	QDJBHZZS18NB2
D1210	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1211	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1212	DIODE ZENER HZS39NB2TA-EQ	QDJBHZZS39NB2
D1213	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D1215	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1216	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1217	DIODE ZENER HZS16NB2TA-EQ	QDJBHZZS16NB2
D1218	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1219	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1401	DIODE ZENER HZS18NB2TA-EQ	QDJBHZZS18NB2
D1402	DIODE ZENER HZS24NB2TA-EQ	QDJBHZZS24NB2
D1601▲	DIODE BRIDGE D10XB60-7000	QDWZ0D10XB60
D1602	DIODE ZENER HZS4.7NB2TA-EQ	QDJB0HZS4R7N
D1603	DIODE ZENER HZS27NB2TA-EQ	QDJBHZZS27NB2
D1604	DIODE FAST RECOVERY 30PFB60	QDWZ030PFB60
D1605	DIODE ZENER HZS27NB2TA-EQ	QDJBHZZS27NB2
D1606	DIODE FAST RECOVERY 30PFB60	QDWZ030PFB60
D1607	DIODE ZENER HZS4.7NB2TA-EQ	QDJB0HZS4R7N
D1703	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1704	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1705	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1706	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140

Ref. No.	Description	Part No.
D1707	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
D1708	DIODE ZENER HZS4.7NB2TA-EQ	QDJB0HZS4R7N
D1710	DIODE ZENER HZS27NB2TE-EQ	QDTBHZZS27NB2
D1712	DIODE ZENER HZS18NB2TA-EQ	QDJBHZZS18NB2
D1713	DIODE ZENER HZS27NB2TA-EQ	QDJBHZZS27NB2
D1714	DIODE SHOTTKY FCHS20A08	QDWZCHS20A08
D1715	DIODE SHOTTKY FCHS20A08	QDWZCHS20A08
D1716	DIODE ZENER HZS18NB2TA-EQ	QDJBHZZS18NB2
D1719	DIODE SWITCHING HSS4148TE-E	QDTZ0HSS4148
D1720	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
D1802	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
ICS		
IC1202▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC1401▲	IC DUAL-PHASE PFC CONTROLLER UCC28060DR	NSCA0T0TY005
IC1702	IC 0V-SWITCHING RESONANT CONVE TEA1611T/N1.518	NSCA0TNXP002
IC1703▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
IC1704▲	PHOTO COUPLER LTV817MBF	NPEBLTV817MF
IC1705▲	PHOTO COUPLER LTV817MCF	NPECLTV817MF
COILS		
L1101	CHOKE COIL 22μH-K	LLBD00PKV021
L1601▲	FILTER LLBG00ZY2015	LLBG00ZY2015
L1602▲	FILTER LLBG00ZY2015	LLBG00ZY2015
When you repair any of the below Coils that are being used for this CBA, please replace every Coils with same parts number. Do not intermingle Coils with different parts numbers.		
L1603▲	COIL EF 9702	LLEE0Z0KT001
L1604▲	COIL EF 9702	LLEE0Z0KT001
or		
L1603▲	COIL EF JLC2518	LLEE0Z0XB007
L1604▲	COIL EF JLC2518	LLEE0Z0XB007
TRANSISTORS		
Q1101	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1201	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1202	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1203▲	FET 2SK3757(Q)	QFWZ02SK3757
Q1204▲	TRANSISTOR 2SC2120-O(Te2 F T)	QQS02SC2120F
Q1401	TRANSISTOR 2SC2120-O(Te2 F T)	QQS02SC2120F
Q1402	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1403	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1404	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1601▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1602▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1701▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1702▲	FET MOS 2SK3561(Q) IDSS100UA	QFWZ2SK3561Q
Q1703	TRANSISTOR 2SA950-O (TE2 F T)	QQS002SA950F
Q1704	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1705	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1706	TRANSISTOR KTA1267-GR-AT/P	NQS1KTA1267P
Q1707	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
Q1708	TRANSISTOR KTC3199-GR-AT/P	NQS4KTC3199P
RESISTORS		
R1103	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R1104	CHIP RES. 1/10W J 270 Ω	RRXAJR5Z0271
R1105	RES CARBON FILM T 1/4W G 6.8k Ω	RCX4682T1002
R1106	RES CARBON FILM T 1/4W G 27k Ω	RCX4273T1002
R1107	CHIP RES. 1/10W F 3.3k Ω	RRXAFR5H3301
R1108	CHIP RES. 1/10W F 10k Ω	RRXAFR5H1002
R1109	RES CARBON FILM T 1/4W J 22 Ω	RCX4220T1001
R1206	CHIP RES. 1/10W J 100 Ω	RRXAJR5Z0101
R1207	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R1208	RES CARBON FILM T 1/4W J 560 Ω	RCX4561T1001
R1209	RES CARBON FILM T 1/4W J 33k Ω	RCX4333T1001

Ref. No.	Description	Part No.
R1210	CHIP RES. 1/10W J 220k Ω	RRXAJR5Z0224
R1211	CHIP RES. 1/10W F 1.0k Ω	RRXAFR5H1001
R1212	CHIP RES. 1/10W F 4.3k Ω	RRXAFR5H4301
R1213	CHIP RES. 1/10W F 4.7k Ω	RRXAFR5H4701
R1214	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1215	RES CARBON FILM T 1/4W J 100 Ω	RCX4101T1001
R1216	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R1217	RES CARBON FILM 1/4W J 820k Ω	RCX4824FS002
R1218	RES CARBON FILM 1/4W J 820k Ω	RCX4824FS002
R1219	RES CARBON FILM 1/4W J 820k Ω	RCX4824FS002
R1220	RES CARBON FILM T 1/4W J 330 Ω	RCX4331T1001
R1221	RES CARBON FILM T 1/4W J 470k Ω	RCX4474T1001
R1222	RES CARBON FILM T 1/4W J 1.8k Ω	RCX4182T1001
R1223	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R1224	RES. CARBON FILM J 1/2W J 3.9 Ω	RCX23R9T1003
R1225	RES CARBON FILM T 1/4W J 18k Ω	RCX4183T1001
R1226	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R1227	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1228	METAL OXIDE FILM RES. 2W J 1 Ω	RN021R0ZU001
R1229	METAL OXIDE FILM RES. 2W J 56 Ω	RN02560ZU001
R1230	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1231	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1401	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1402	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1403	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1404	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1405	RES METALIZED FILM T 1/4W F 51.1k Ω	RDC5112HH003
R1406	METAL FILM RES. 1/4W F 121k Ω	RDC1213HH001
R1407	RES METALIZED FILM T 1/4W F 2.74k Ω	RDC2741HH003
R1409	RES METALIZED FILM T 1/4W F 5.62k Ω	RDC5621HH003
R1410	RES CARBON FILM T 1/4W J 470 Ω	RCX4471T1001
R1411	RES CARBON FILM T 1/4W J 3.3k Ω	RCX4332T1001
R1412	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1413	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R1415	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R1416	RES CARBON FILM T 1/4W J 39k Ω	RCX4393T1001
R1417	METAL FILM RES. 1/4W F 100k Ω	RDC1003HH001
R1418	METAL FILM RES. 1/4W F 100k Ω	RDC1003HH001
R1419	METAL FILM RES. 1/4W F 100k Ω	RDC1003HH001
R1420	RES METALIZED FILM T 1/4W F 26.7k Ω	RDC2672HH003
R1421	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1422	METAL FILM RES. 1/4W F 100k Ω	RDC1003HH001
R1423	RES CARBON FILM T 1/4W J 220k Ω	RCX4224T1001
R1424	RES CARBON FILM T 1/4W J 100 Ω	RCX4101T1001
R1425	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1426	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1427	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1428	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1429	RES METALIZED FILM T 1/4W F 21.0k Ω	RDC2102HH003
R1430	RES METALIZED FILM T 1/4W F 21.0k Ω	RDC2102HH003
R1431	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1432	RES MATALIZED FILM 1/4W F 825k Ω	RDC8253HH001
R1433	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1434	RES MATALIZED FILM 1/4W F 619k Ω	RDC6193HH001
R1435	RES METALIZED FILM T 1/4W F 33.2k Ω	RDC3322HH003
R1436	RES CARBON FILM T 1/4W J 4.7k Ω	RCX4472T1001
R1437	RES CARBON FILM T 1/4W J 470 Ω	RCX4471T1001
R1438	RES CARBON FILM T 1/4W J 3.3k Ω	RCX4332T1001
R1439	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1440	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1441	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1601▲	GLASS GLAZE RES. 1/2W J 1M Ω	RXX2JZLZ0105
R1602▲	GLASS GLAZE RES. 1/2W J 8.2M Ω	RXX2JZLZ0825

Ref. No.	Description	Part No.
R1603	RES CARBON FILM T 1/4W J 20k Ω	RCX4203T1001
R1604	CEMENT RESISTOR 2W J 0.015 Ω	RWJL15PAK001
R1605	RES CARBON FILM T 1/4W J 4.7 Ω	RCX44R7T1001
R1606	RES CARBON FILM T 1/4W J 4.7 Ω	RCX44R7T1001
R1607	RES CARBON FILM T 1/4W J 20k Ω	RCX4203T1001
R1608	GLASS GLAZE RES. 1/2W J 1M Ω	RXX2JZLZ0105
R1701	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R1702	RES CARBON FILM T 1/4W J 10 Ω	RCX4100T1001
R1703	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1704	RES CARBON FILM T 1/4W J 3.3k Ω	RCX4332T1001
R1705	RES CARBON FILM T 1/4W J 39k Ω	RCX4393T1001
R1706	RES CARBON FILM T 1/4W J 470 Ω	RCX4471T1001
R1707	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R1708	RES CARBON FILM T 1/4W J 68k Ω	RCX4683T1001
R1709	RES CARBON FILM T 1/4W J 1.0k Ω	RCX4102T1001
R1710	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1711	RES CARBON FILM T 1/4W J 33k Ω	RCX4333T1001
R1712	RES CARBON FILM T 1/4W J 68k Ω	RCX4683T1001
R1713	RES CARBON FILM T 1/4W J 47 Ω	RCX4470T1001
R1714	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1715	RES CARBON FILM T 1/4W J 22k Ω	RCX4223T1001
R1716	RES CARBON FILM T 1/4W J 47k Ω	RCX4473T1001
R1717	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1718	RES CARBON FILM T 1/4W J 47 Ω	RCX4470T1001
R1719	CEMENT RESISTOR 2W J 0.18 Ω	RWJR18PAK001
R1720	CEMENT RESISTOR 2W J 0.18 Ω	RWJR18PAK001
R1722	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1724	RES CARBON FILM T 1/4W J 10k Ω	RCX4103T1001
R1725	CHIP RES. 1/10W J 22k Ω	RRXAJR5Z0223
R1726	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R1727	CHIP RES. 1/10W J 5.1k Ω	RRXAJR5Z0512
R1728	CHIP RES. 1/10W J 4.7k Ω	RRXAJR5Z0472
R1729	CHIP RES. 1/10W J 220 Ω	RRXAJR5Z0221
R1730	RES CARBON FILM T 1/4W J 82 Ω	RCX4820T1001
R1731	CHIP RES. 1/10W J 2.7k Ω	RRXAJR5Z0272
R1732	RES CARBON FILM T 1/4W J 3.9k Ω	RCX4392T1001
R1733	WIRE COPPER 6111-06003-0120	XZ40C0SHG002
R1734	CHIP RES. 1/10W F 4.3k Ω	RRXAFR5H4301
R1735	RES CARBON FILM T 1/4W G 6.8k Ω	RCX4682T1002
R1736	RES CARBON FILM T 1/4W G 8.2k Ω	RCX4822T1002
R1737	CHIP RES. 1/10W F 2.2k Ω	RRXAFR5H2201
R1738	CHIP RES. 1/10W J 2.7k Ω	RRXAJR5Z0272
R1739	CHIP RES. 1/10W J 390 Ω	RRXAJR5Z0391
R1740	RES CARBON FILM T 1/4W J 22k Ω	RCX4223T1001
R1741	CHIP RES. 1/10W J 47k Ω	RRXAJR5Z0473
R1742	CHIP RES. 1/10W J 3.3k Ω	RRXAJR5Z0332
R1743	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
R1744	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1745	RES CARBON FILM T 1/4W J 2.2k Ω	RCX4222T1001
R1801	CHIP RES. 1/10W J 470 Ω	RRXAJR5Z0471
R1802	CHIP RES. 1/10W F 33.0k Ω	RRXAFR5H3302
R1803	CHIP RES. 1/10W F 6.8k Ω	RRXAFR5H6801
R1804	CHIP RES. 1/10W J 1k Ω	RRXAJR5Z0102
R1805	CHIP RES. 1/10W J 10k Ω	RRXAJR5Z0103
MISCELLANEOUS		
B20	HEAT SINK EAL ASSEMBLY A81H0UH	1EM424648
B21	POW HEAT SINK A7120UH	1EM423993
B22	HEAT SINK EAK ASSEMBLY A81H0UH	1EM424646A
B23	HEAT SINK EAJ ASSEMBLY A81H0UH	1EM424644
BC1201	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1501	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1601	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030

Ref. No.	Description	Part No.
BC1602	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1603	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1604	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1605	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1606	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1607	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1608	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1701	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
BC1702	BEADS INDUCTOR FBR07HA121SB-00	LLBF00STU030
F1601▲	FUSE 8A/250V(PB FREE) 0215008.MXP	PBGZ20BAG022
FH1601	FUSE HOLDER MSF-015 LF (B110)	XH01Z00LY002
FH1602	FUSE HOLDER MSF-015 LF (B110)	XH01Z00LY002
L8	SCREW B-TIGHT D3X8 BIND HEAD+	GBJB3080
RL1201▲	RELAY SDT-SS-105DM	MRLEC05QN001
SA1601▲	SURGE ABSORBER 470V+-10PER	NVQZ10D471KB
SA1603▲	SURGE ABSORBER 470V+-10PER	NVQZ10D471KB
T1201▲	TRANS POWER 9705	LTT1PC0KT003
T1701▲	TRANS INV SRX40ER-P240000G8501	LTZ4PZ0TE001

REVISION HISTORY

Chassis FL9.2

- 2009-06-19 Individual parts numbers added for the JACK ASSEMBLY
- 2009-07-21 Change parts numbers
(DIGITAL MAIN CBA UNIT, JACK ASSEMBLY, INVERTER POWER CBA)
- 2009-07-21 42PFL3704D/F7 (Serial No. : YA1A*****) added
- 2009-11-09 42PFL3704D/F7 (Serial No. : YA2A*****) added